ATTACHMENT A

APPLICATION TO PLUG AND ABANDON

FIELD Wild Cat					
OPERATOR		A	ADDRESS & PHONE		
LEASE NUMBER (Lessor's name	if fee)			WELL NO	
LOCATION Section 31, T-38-N, R-5-W, Mohave County, Taroweap Block					
TYPE OF WELL Dry - prev	iously plugged	d		TOTAL DEPTH4663	3'
		Gas, or Dry)			
ALLOWABLE (If Assigned)					
LAST PRODUCTION TEST	OIL		(Bbls.)	WATER	(Bbls.)
	GAS		_ (MCF)	DATE OF TEST	
PRODUCING HORIZON		PR0	DDUCING FROM _	TO	
1. COMPLETE CASING RECOR	D:				
See attached available v	vell records.				
2. FULL DETAILS OF PROPOSE See attached plugging p		K:			
DATE COMMENCING OPERATION	N 1 14.7	<u>·</u>	ices, LLC ADDRE	SS 1425 Higham St, Idaho	 Falls, ID 83402
Mail one copy of completed form to: Oil and Gas Program Administrator Arizona Department of Environmental of 1110 W. Washington Street Phoenix, AZ 85007 email one copy to: ogcc@azdeq.gov		Signature President Title 1425 Highan Address June 11, 202 Date	n St, Idaho Falls, ID	83402	
Date Approved STATE OF OIL & GAS CONSERV	F ARIZONA /ATION COMMIS	SSION		STATE OF ARIZONA AS CONSERVATION COMMI Application to Plug and Abandon to copies: one by mail, one electron	

Permit No.

12/2016

The Valen Oil Federal #1 well was spud on lease Arizona-015942 (became AZA-026317 in March 1988) issued to Western Drilling Company in July 1957. Drilling began the same day as approval and ended May 1958. The well was drilled to a Total Depth of 4663 ft with 48 ft of 13 3/8" casing, 791 ft of 10 3/4" casing, 2912 ft of 8 5/8" casing, and 3736 ft of 7" casing.

In May 1958, the 7" casing was reported pulled by Western Drilling Company and they allegedly set 4 cement plugs and filled the hole with heavy mud. However, during attempts to recover the performance bond, inspections of the well revealed it was left open. Mr. Shaw of Colonial Homes, Inc wrote a letter to the USGS saying on March 7, 1962, they pulled 1,353 feet of 8 5/8" casing, filled the hole with heavy mud and plugged the top 50 feet of the well with cement. The USGS acknowledged Mr. Shaw's letter, although the necessary forms were never filed with the Arizona Oil and Gas Commission and after much correspondence and fraudulent allegations the Arizona Oil and Gas Commission canceled the performance bond.

In 1988, Pathfinder Mines completed a down-hole assessment of the Valen Oil Federal #1 for possible use as a water well and found that the hole was open. John Cottrell of Pathfinder Mines told Becky Hammond, BLM Geologist, that Pathfinder went down several thousand feet and encountered a static water level in the hole at 1,900 feet from the Mississippian Redwall aquifer. He said that Pathfinder ran into no cement, the well had never been plugged and the casing they encountered in the hole was not that indicated in the well reports submitted in the late 1950's.

Denison Mines was similarly interested in the potential of the Valen Oil Federal #1 as a water well and in 2008 they entered the well and took down-hole video. The video confirms there is 48 feet of surface casing, and the hole is uncased to a depth of at least approximately 1,310 feet where scaling on the walls of the drill hole got so thick as to prevent the camera from going deeper. It appears probable the 7" casing was removed in 1958 and the video confirms the intermediate casing was removed from approximately 1,310 feet to the surface. Pathfinder's observations suggest there is intermediate casing from below 1,310 to 2,912 feet, as reported in the well logs. The casing size and weight are not known.

WELL LOCATION INFORMATION

US Well No.	Well Name	Status	State	County	TWP	RGE	SEC	QTR	LATITUDE	LONGITUDE
02-015-05002	Valen Fed #1		AZ	Mohave	38N	5W	31	NWSE	36.64880	-112.86949

GEOLOGIC FORMATION DEPTHS (MD, feet below surface)

Well Name	Formation 1	Formation 2	Formation 3	Formation 4
Valen Fed #1	Red Wall Lime 2815'-3375' (water)	Upper Supai 1815'-2497' (water)		

Depth set ...

Form 9-330							
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Form 9-331 a (Feb. 1951)

(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
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NOTICE OF INTENTION TO PULL OR ALTER CASING.	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		
NOTICE OF INTENTION TO ABANDON WELL.		1

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Federal	May. 20	, 1958
Well No is locat	ted 1980 ft. from S line and 1980 ft. from	E line of sec 3/
NW 4 95 3 1 31	38N 5-W	(287)
WILC Sec. No.)	(Twp.) (Range) (Meridian)	STONIE
(Field)	303090	te or Territory)
The elevation of the derrick	floor above sea level is ft.	
	DETAILS OF WORK	

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Filled W/ Comont 4663-4613 mod TO 3575. Comon + 3575- 3475 Mud To 2950 Comont 2950 - 2875. Comont 37' IN 8% 059 Bottom 85/8 839 @ 2912 10 Ft Comout TOP 75/8 059 BULL Plug w/ H' Markon Pil Jerewo IN 8578 CS9

Ti cos 9 Pollo Commenced.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Colonial Homes, Inc.

Phone EX. { 3-6109 3-6100 P. O. Box 1446 HOBBS, NEW MEXICO April 16, 1962

Mr. P. T. McGrath
District Engineer
United States Dept. of the Int.
Box 959
Farmington, New Mexico

Dear Mr. McGrath:

This will acknowledge receipt of your letter dated March 20, 1962.

The following is the information you requested:

Valen Oil Co. Gov. No. 1 Well Section 31 T-38-N, R-5-W, Mohave County, Arizona Taroweap Block Permit #43, Western Drilling Co., Inc.

Please advise if there is further information needed,

Very truly yours,

M. A. SHAW

MAS:jp

Colonial Homes, Inc.

AFFILIATED:

e .:

BEL AIRE SHOPPING CENTER
BEL AIRE LOUNGE
PEPPERMINT PARK
COLONIAL CONSTRUCTION COMPANY
COLONIAL POOL COMPANY
COLONIAL RENTALS
HOBBS HOME FOR THE ELDERLY
HOMES INSURANCE AGENCY
STOKES LUMBER COMPANY

Phone EX. 3-6100 P. O. Box 1446 HOBBS, NEW MEXICO

March 15, 1962

U. S. G. S. Farmington, New Mexico

Gentlemen:

On March 7, 1962, at Fredonia, Arizona, we pulled 1353 feet of 8 5/8 casing.

We filled the hole with heavy mud within 50 feet of the top, then plugged it with cement to the top; replaced marker, cleared grounds and filled cellar with dirt.

REGELVE

50 4 13bZ

U.S. GEOLOGICAL SURVE FAME IMETON, NEW MEXIC

Very truly yours,

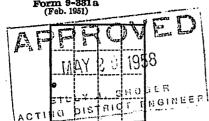
M. A. Shaw

Lease No. State La County State R. 6 Oil S. I. Company Well No. Footage sec. T. PROD.:GAS Drlg.__ Abd. T.A. OPERATIONS O.K. OPERATIONS O.K. Remarks: Eng, Initial: Remarks: Footage Sec. Drlg. Lease No County Company Date; Date: Eng. Initial

Form No. 9-1109
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Western Drlg Co, Fine

Federal 1

OPERATOR THE OPERATOR	PERMITTEE	WELL No.
		ADDREVAL DATE 7/25/57
Field Wildcat		APPROVAL UNIT 7/25/57
		SPUD DATE 5-15-5
County Mohave		HEADACHE SUEEL POSTED 3 73 3 4
		MASS POSTED 5-1-3-5
State Arizona		IST PROD. (NO) (YES)
201 - 51		DISCOVERY (NO) (YES)
Sec. 31 L T. 38N R. 5W		I W R (PRE3:22:188) (FINAL)
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(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Land Office,	
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SUNDRY NOTICES AND REPORTS ON WELLS

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NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT.	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			
(INDICATE ABOVE BY CHECK MA	RK NAT	URE OF REPORT, NOTICE, OR OTHER DATA)	
Federal	•••	11/24 12 - 1958,19	
Well No. / is located/980 ft. fro	m {	line and $\frac{\mathbb{Z}}{\mathbb{Z}}$ ft. from $\frac{\mathbb{E}}{\mathbb{Z}}$ line of sec. $\frac{3}{\mathbb{Z}}$	
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(Field) (Count	y or Su	bdivision) 5050gf (State or Territory)	
The elevation of the derrick floor above sea	leve	is of ft.	
	NOTICE OF INTENTION TO TEST WATER SHUT-OFF NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL NOTICE OF INTENTION TO SHOOT OR ACIDIZE NOTICE OF INTENTION TO PULL OR ALTER CASING (INDICATE ABOVE BY CHECK MA FC Geral Well No. is located 980 ft. from the street of the st	NOTICE OF INTENTION TO CHANGE PLANS NOTICE OF INTENTION TO TEST WATER SHUT-OFF. NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL NOTICE OF INTENTION TO SHOOT OR ACIDIZE. NOTICE OF INTENTION TO PULL OR ALTER CASING. (INDICATE ABOVE BY CHECK MARK NAT Well No. is located 950 ft. from. (INDICATE ABOVE BY CHECK MARK NAT (INDICAT	NOTICE OF INTENTION TO CHANGE PLANS. NOTICE OF INTENTION TO TEST WATER SHUT-OFF. NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL. NOTICE OF INTENTION TO SHOOT OR ACIDIZE. NOTICE OF INTENTION TO SHOOT OR ACIDIZE. NOTICE OF INTENTION TO SHOOT OR ACIDIZE. NOTICE OF INTENTION TO PULL OR ALTER CASING. SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR. SUBSEQUENT REPORT OF ABANDONMENT. SUBSEQUENT REPORT OF ABANDONMENT. SUBSEQUENT REPORT OF ABANDONMENT. SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR. SUBSEQUENT REPORT OF ALTERING CASING. SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR. SUBSEQUENT REPORT OF ALTERING CASING. SUBSEQUENT REPORT OF ALTER

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

60' 133/8 Cornorted 3730' 7" (54 PUKLO) 2912" 85/8 MUS Weter Shot 0/=1=

I understand that this plan of work must receive approval in writing	g by the Geological Survey before operations may be commenced.
Company (NeStorN Dry Co	
Address 902 Lubbook Net	Blog
LUBBOCK TOYES	By Pergel Hall
·	By Terys Thats Title TOOK PUShow
	FON ALDNING & STROND

Form 9-331 a (Feb. 1951) DISTRICT ENGINEER ACTING

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(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR **GEOLOGICAL SURVEY**

Land Office	
Losso No. Arizona	015942
11-14	

MAR 9 1958

SUNDRY	NOTICES	AND	REPORTS	ON	WELLS	, diadonoAL	SURVE

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NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF.
NOTICE OF INTENTION TO CHANGE PLANS.	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING.
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	
(INDICATE ABOVE BY CHECK MARK NATU	JRE OF REPORT, NOTICE, OR OTHER DATA)
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(1/ See and See No.) (Twn.) (Rans	e) (Meridian)
Wilder SW 4 31 38 N 3 (Range County or Sub- (Field) (Range County or Sub- (Field) (County or Sub- (Fie	division) 50 9 (State or Territory)
The elevation of the derrick floor above sea level i	s 570 37ft.
DETAILS	OF WORK
(State names of and expected depths to objective sands; show sizes, we	sights, and lengths of proposed casings; indicate mudding jobs, coment- important proposed work)
Corner + 4663 TO 4613 7	MIL 4613 - 3525 Cornoat
3525-3425 mod 24	50 Comont TO 2875
Bo Hom 8 1/2 Cos @ 29/1	Coment 37 Ft 111 85/3059
10 Et Coment Skug TOP	85/8 08 /SULL W/4"
Mertier Pipe Schod 11	4 TON 85/8 1059
Choon & horsel kolotion	27
PULL 711 CSG 3730 FT	ng by the Geological Survey before operations may be commenced.
Company elastory Dag Co	
Address 902 LUBBOCK NE	+ BONK BLOG
Lubboen Texes	By Merchel Holl
	Title TOOK FUSHUM
•	FON Address & Strong ine

RECEIVED	Budgot Bureau No. 42-R358.4. Approval expires 12-31-60.
Form 9-331a LAND OFFICE	• • • • • • • • • • • • • • • • • • • •
Phoenix, Arizona Phoenix	TRIPLICATE)
	STATES
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GEOLOGIC	CAL SURVEY RECEIVED
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110013	JUL 25 1957
SUNDRY NOTICES ANI	JUL 25 1957 D REPORTS ON WELLSUGGAL SURVEY SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO DRILL X	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING.
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	
(INDICATE ABOVE BY CHECK MARK NATI	JRE OF REPORT, NOTICE, OR OTHER DATA)
; 	July 12 , 1957
SE/4 of Sec. 31 38-N 5-W (Rung Wildcat Mohave (Field) (County or Sub	Arizona division) (State or Territory)
	• • •
DETAILS	OF WORK
(State names of and expected depths to objective sands; show sizes, we ing points, and all other	sights, and lengths of proposed casings; indicate mudding jobs, cement— important proposed work)
4	
200 sacks of cement, (Sufficient depth	asing (32.75# H-40 A.P.I.) cemented with to seal off all fresh water).
	string set on top of pay, properly or gas bearing properly. (Exact length,
200 sacks of cement, (Sufficient depth and Approximately 4600° of 5 1/2" or 7" oil cemented, to adequately protect the oil weight and size of oil string and cemen	string set on top of pay, properly or gas bearing pool, (Exact length, ting program to be determined by depth
200 sacks of cement, (Sufficient depth and Approximately 4600° of 5 1/2" or 7" oil cemented, to adequately protect the oil weight and size of oil string and cemen	string set on top of pay, properly or gas bearing pool, (Exact length, ting program to be determined by depth
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200 sacks of cement, (Sufficient depth is Approximately 4600° of 5 1/2" or 7" oil cemented, to adequately protect the oil weight and size of oil string and cemen and type of production encountered). I understand that this plan of work must receive approval in writing and cemen are constant to the contract of the con	string set on top of pay, properly or gas bearing pool, (Exact length, ting program to be determined by depth
Approximately 4600° of 5 1/2" or 7" oil cemented, to adequately protect the oil weight and size of oil string and cemen and type of production encountered). I understand that this plan of work must receive approval in writi Company	string set on top of pay, properly or gas bearing pool, (Exact length, ting program to be determined by depth on the declosical Survey before operations may be commenced.

Form 9-331a (Feb. 1961)

APPLOVE D

JUL 27, 1057

(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

Lease No. AR 04687

Lease No. AR 015942

Unit

VEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING ARMA
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING.	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

, sed			July 12	, 1957
Well No. is locat	オ ed 1980 ft.	from $\left\{\begin{matrix} N \\ S \end{matrix}\right\}$ line	and 1930 ft. from $\binom{E}{W}$ line of s	ec. 31
SE/4 of Sec. 31	33-11	5-67	G&SRR&M	
(1/2 Sec. and Sec. No.)	(Twp.)	(Range)	(Meridian)	
Wildow		Mohave	Awizona	
(Field)	(0	County or Subdivision)	(State or Territory)	

The elevation of the derrick floor above sea level is _____ft. (To be supplied)

DETAILS OF WORK

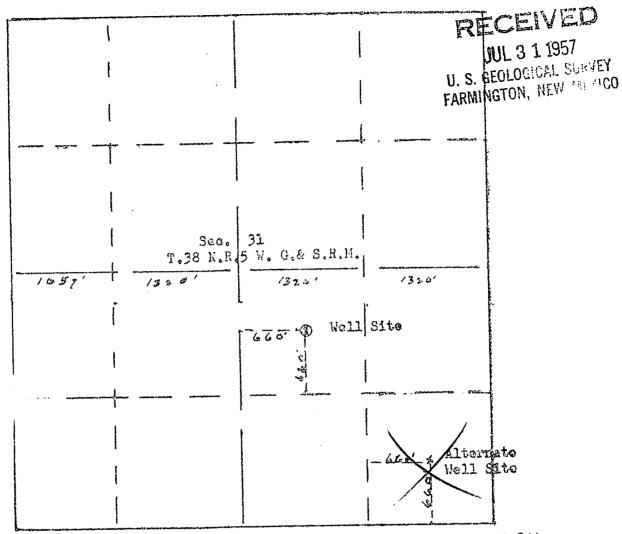
(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Approximately 330' of 10 3/4" surface casing (32.75% H-40 A.P.I.) cemented with 200 sacks of cement, (Sufficient depth to seal off all fresh water).

Approximately 4600' of 5 1/2" or 7" oil string set on top of pay, properly cemented, to adequately protect the oil or gas bearing pool, (Exact length, weight and size of oil string and cemeating program to be determined by depth and type of production encountered).

Company	VESTERS DETULING COMPANY, INC.	
Address	902 Lubbock National Benk Building	2
	Lubbock, Texas By	Vamen 9, 600

TWO 38 North, RANGE 5 WEST. MCHAVE CO. ARIZ.



Saule 1"= 1000'

Elevation is 5050° for Well Site.

I, Lao A. Snow, a duly licensed engineer in the State of Arisos, Hereby certify that this map has been correctly drawn to the designated scale from field notes of a survey made by me on the 16th, day of July, 1957, and that it represents the proposed well Site and an Alternate Well Site.

REG CIVIL OF STANDARD CONTRACTOR OF STANDARD

Leo A. Show, License No. 1224

Well Plugging Procedures (Design) Valen Fed #1

- 1. Check wellhead pressure. Kill well if necessary.
- 2. Dig out wellhead and pit.
- 3. Move in Rig Up
- 4. Run in hole with coil tubing and tag bottom @ +/- 1310'. If tag is more than 100'deeper or shallow than 1310', contact COR for instructions.
- 5. Condition well bore by circulating bottoms up volume times 1.5. If hole is not static, contact COR for instructions.
- 6. Set an approximately 1025 sack Class "G" neat balanced plug from 1310' feet to surface. (this will be done in at minimum 2 sections)
- 7. Wait On Cement 24 hours
- 8. Top off cement as needed.
- 9. Dig out and cut off wellhead. Weld on well information inscribed plate.
- 10. Backfill cellar and clean up location.

ATTACHMENT A (Cont'd)

lb sack

94 0 0

LID# - 439-	1		Slurry	Recipe	%
		1)	94 lb/sk	Class G	100%
Density	l .	2)	0 lb/sk	1	0%
15.8 ppg	Base	3)	0 lb/sk		0%
		4)	0 lb/sk		0%
	1		94 lb Sk Wt		
Yield		1)		1	
1.15 ft3/sk	l .	2)		1	
		3)			
	Additives	4)			
H20 Reqd	l .	5)			
5.025 gal/sk	l .	6)			_
	l .	7)			
		8)		1	

Lab Testing Results									
	MD/TVD - 1000 ft/1000 ft								
BHST:	90	°F	Final Press:	1,000	psi				
BHCT:	80	°F	Ť.	UCA					
TTT @ 70 Bc	6:05	hr:min	50 psi	5	:06				
Calc API FL	N/A	mL/30min	500 psi	10	0:00				
FF Angle	45	•	12 hr	76	1 psi				
Free Fluid	1.4	%	24 hr	205	4 psi				

Rheology 1	RPM	600	300	200	100	60	30	6	3	PV	ΥP	10 sec	10 min
Temp 80 °			62	52	42	37	31	21	15	42	25	8	10
													_
Rheology 2	RPM	600	300	200	100	60	30	6	3	PV	ΥP	10 sec	10 min



