DATE IN	SUSPENSE	EF	LOGGED IN	TYPE	APP NO

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505

ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

[2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or ☐ Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

[3] **SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.**

[4] **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Billy E. Prichard	Billy E Prichard	Agent for Judah Oil, L.L.C.	5/17/10
Print or Type Name	Signature	Title	Date

billy@pwllc.net
e-mail Address

BEFORE THE OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
Case No 's 14547 & 14472 Exhibit No 7
Submitted by
JUDAH OIL, LLC
Hearing Date November 4, 2010

J000046

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURA
RESOURCES DEPARTMENT

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: _____Secondary Recovery _____Pressure Maintenance ___X____Disposal _____Storage
Application qualifies for administrative approval? ___X_____Yes _____No

II. OPERATOR: Judah Oil,L.L.C.

ADDRESS: PO Box 568 Artesia, NM 88211

CONTACT PARTY: Blaise Campanella PHONE: 5757485488

III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.

IV. Is this an expansion of an existing project? _____Yes ___X_____No
If yes, give the Division order number authorizing the project: _____

V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.

VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.

VII. Attach data on the proposed operation, including:

1. Proposed average and maximum daily rate and volume of fluids to be injected;
2. Whether the system is open or closed;
3. Proposed average and maximum injection pressure;
4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).

*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.

IX. Describe the proposed stimulation program, if any.

*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).

*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.

XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.

XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

NAME: **Billy(Bill)E. Prichard** TITLE: **Agent for Judah Oil,L.L.C.**

SIGNATURE: Billy E. Prichard DATE: 8/17/10

E-MAIL ADDRESS: **billy@pwllc.net**

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

J000047

Judah Oil,L.L.C.
Dow B 28 Federal # 001
API # 30-015-28676
1028 FSL X 1227 FEL
Unit Letter "P", Section 28, T17S, R31E
Eddy County, New Mexico
C108(Application for Authorization to Inject)

I.

The purpose of this application is for the administrative approval for the conversion of the Dow B 28 Federal # 001 from an abandoned or orphaned Morrow gas well to a Wolfcamp commercial salt water disposal well.

II.

Operator: Judah Oil, L.L.C.
Adress: PO Box 568 Artesia, New Mexico 88211
Blaise Campanella 5757485488

III.

Please see Exhibit "A" for well data.

IV.

This is not an expansion of an existing project.

V.

Please see Exhibit"B" for map of .5 and 1 mile area of review.

VI.

Please see Exhibit "C" for wells and tabulation of data for wells in AOR
10 wells were identified in the AOR. 8 of the wells do not penetrate the purposed disposal zone. See Exhibit"C" for data on the 2 wells that penetrate the purposed disposal zone.

VII.

1. Anticipated average daily rate 10,000 BWPD with maximum of 20,000 BWPD.
2. This will be an open system.
3. Anticipated average injection pressure is 0(Zero) with maximum of 1745 psig.
4. Please see Exhibit "D" of analysis of projected disposal fluid. Disposal fluid will be produced water trucked in numerous producing zones in southeastern New Mexico.
5. Please see Exhibit "E" for Wolfcamp water analysis.

VIII.

Please see Exhibit "F" for geological data.

IX.

There is no stimulation planned unless pressure and rate dictate the need.

X.

Logs and completion data submitted to NMOCD by previous operator.

XI.

A review of the New Mexico state engineer web site found no water wells within the 1 mile AOR. Field survey found no active water wells.

Judah Oil,L.L.C.
Dow B 28 Federal # 001
API # 30-015-28676
1028 FSL X 1227 FEL
Unit Letter "P", Section 28, T17S, R31E
Eddy County, New Mexico
C108(Application for Authorization to Inject)

XII.

Available geological data has been examined and shows no evidence of open faults or any hydrological connection between the proposed disposal zone and underground sources of drinking water.

XIII.

Please see Exhibit "G" for "Proof of Notice" and affidavit of publication.

Enclosed is the inactive well list for Judah Oil,L.L.C.

Judah Oil,L.L.C.
Dow B 28 Federal # 001
API # 30-015-28676
1028 FSL X 1227 FEL
Unit Letter "P", Section 28, T17S, R31E
Eddy County, New Mexico

Well Data

Well spudded by Texaco 11/19/1995 as Morrow test.

11 ¾" 42# WC-40 casing set in 14" hole at 614 feet. Cemented with 450 sacks of Class "C" cement. Cement circulated to surface.

8 5/8" 32# WC-50 casing set in 11" hole at 5040 feet. Cemented with 3000 sacks of Class "H" cement. Cement circulated to surface.

5 ½"17#&20# P-110,L80,S95 casing set in 7 7/8"hole at 12725 feet.
Cemented in 2 Stages. DV tool at 9283 feet.
Stage 1 - 350 sacks 35/65 Poz Class "H" w/ 6% gel, 3% FL-52, 3% R3, ¼# Flocele. (Yield 1.85 cubic feet per sack with 12.7 ppg weight) followed by
580 sacks "H" ,1.1% FL-62, 1% BA-58, .3% CD-32, .25%R3, .2% SM
(Yield 1.07 cubic feet per sack with 16.4 ppg weight)
Cement circulated above DV tool
Stage 2 - 250 sacks Super C Modified, .44% FL-52, .17#CD 32
(Yield 1.34 cubic feet per sack with 13.9 ppg weight) followed by
100 sacks Class"H" neat
(Yield 1.18 cubic feet per sack with 15.6 ppg weight)
Top of cement at 6900 feet.

Mississippi perforations
12118-12180 feet
Morrow perforations
11764-11792 feet

Exhibit "A"

Judah Oil,L.L.C.
Dow B 28 Federal # 001
API # 30-015-28676
1028 FSL X 1227 FEL
Unit Letter "P", Section 28, T17S, R31E
Eddy County, New Mexico

Well Data

The Dow B 28 Federal # 1 was taken over by the State of New Mexico for forced plugging. The well has not produced since 2006.

Production Summary of api:3001528676 pool:WILDCAT CEDAR LAKE; MISSISSIPPIAN

producing year	Oil	Gas	Water	Co2
1996	701	5817	0	0
1997	179	769	0	0
1998	434	6934	14	0
1999	34	537	21	0
2000	13	104	0	0
2001	0	69	0	0
2002	0	0	0	0
2003	0	0	0	0
2004	0	0	0	0
2005	0	0	0	0
2006	0	0	0	0
2007	0	0	0	0
summary	1361	14230	35	0

Production Summary of api:3001528676 pool:CEDAR LAKE;MORROW, EAST (GAS)

producing year	Oil	Gas	Water	Co2
1996	1802	44630	0	0
1997	132	8657	90	0
1998	142	11574	0	0
1999	188	13652	0	0
2000	86	8957	41	0
2001	130	5769	0	0
2002	52	2192	0	0
2003	304	48218	239	0
2004	42	28368	31	0
2005	0	15329	0	0
2006	0	920	0	0
2007	0	0	0	0
summary	2878	188266	401	0

Exhibit "A"

Judah Oil,L.L.C.
Dow B 28 Federal # 001
API # 30-015-28676
1028 FSL X 1227 FEL
Unit Letter "P", Section 28, T17S, R31E
Eddy County, New Mexico

Well Data

Formation tops identified by NMOCD District II geologist
Bryan Arrant
Bone Springs – 5235
Wolfcamp – 8522
Cisco – 9760
Penn – 10076
Strawn – 10843
Atoka – 11105
Morrow – 11403
Chester – 11905
Devonian – 12280

Exhibit "A"

Dow B 28 Federal # 001
API # 30-015-28676
UL"P", Sec 28,T17S,R31E
Eddy, County, NM
Current well bore

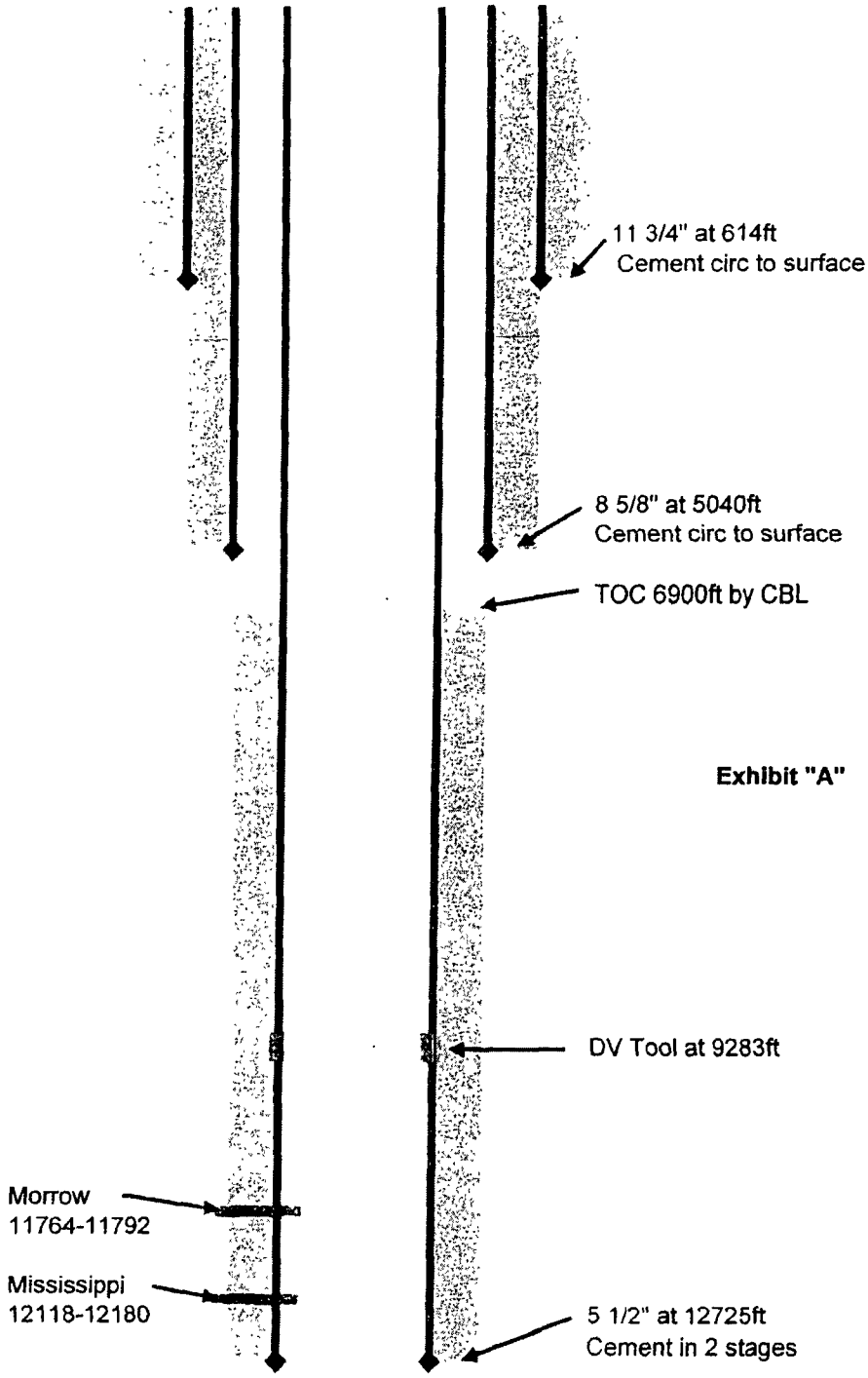


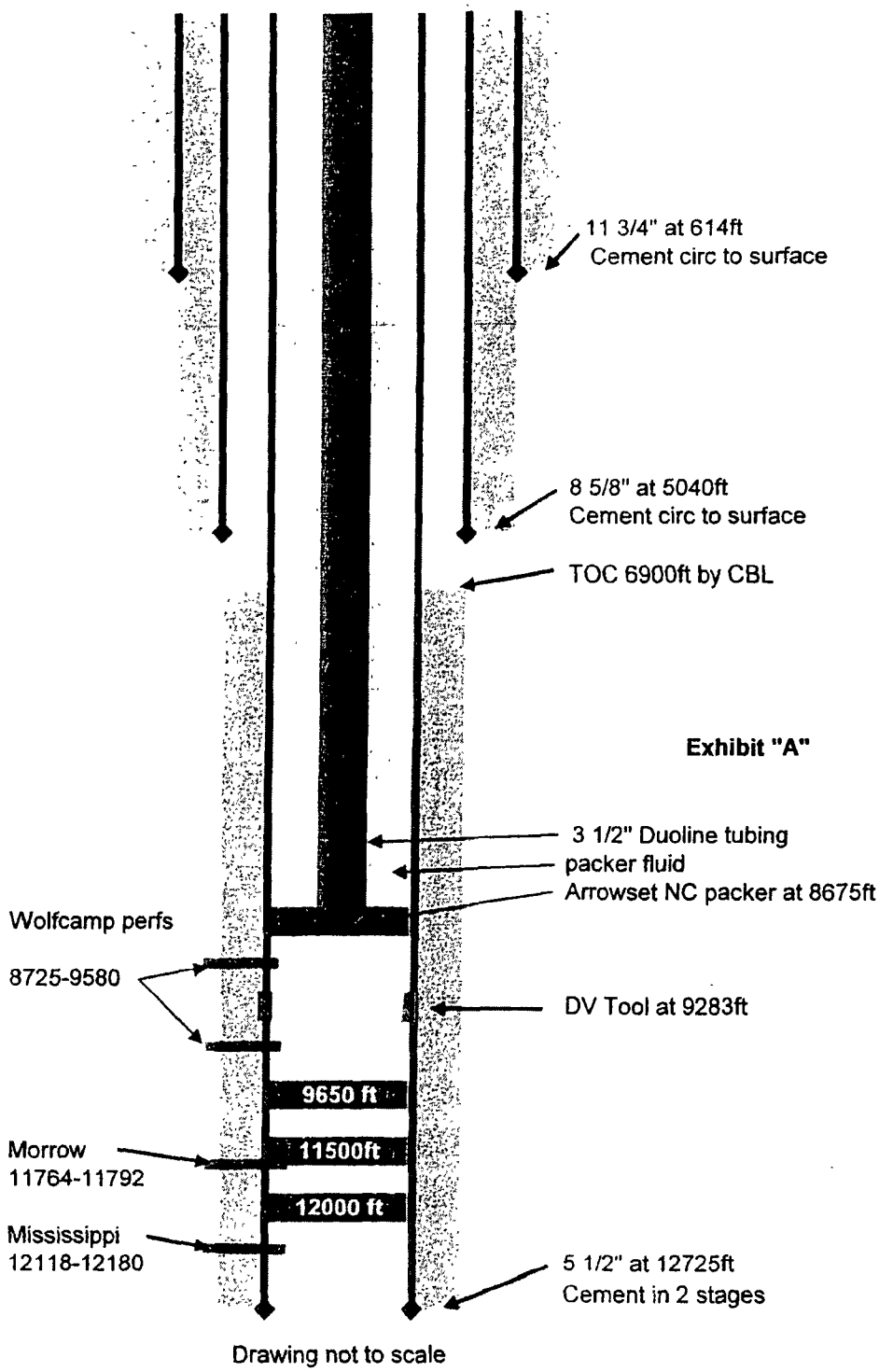
Exhibit "A"

Drawing not to scale

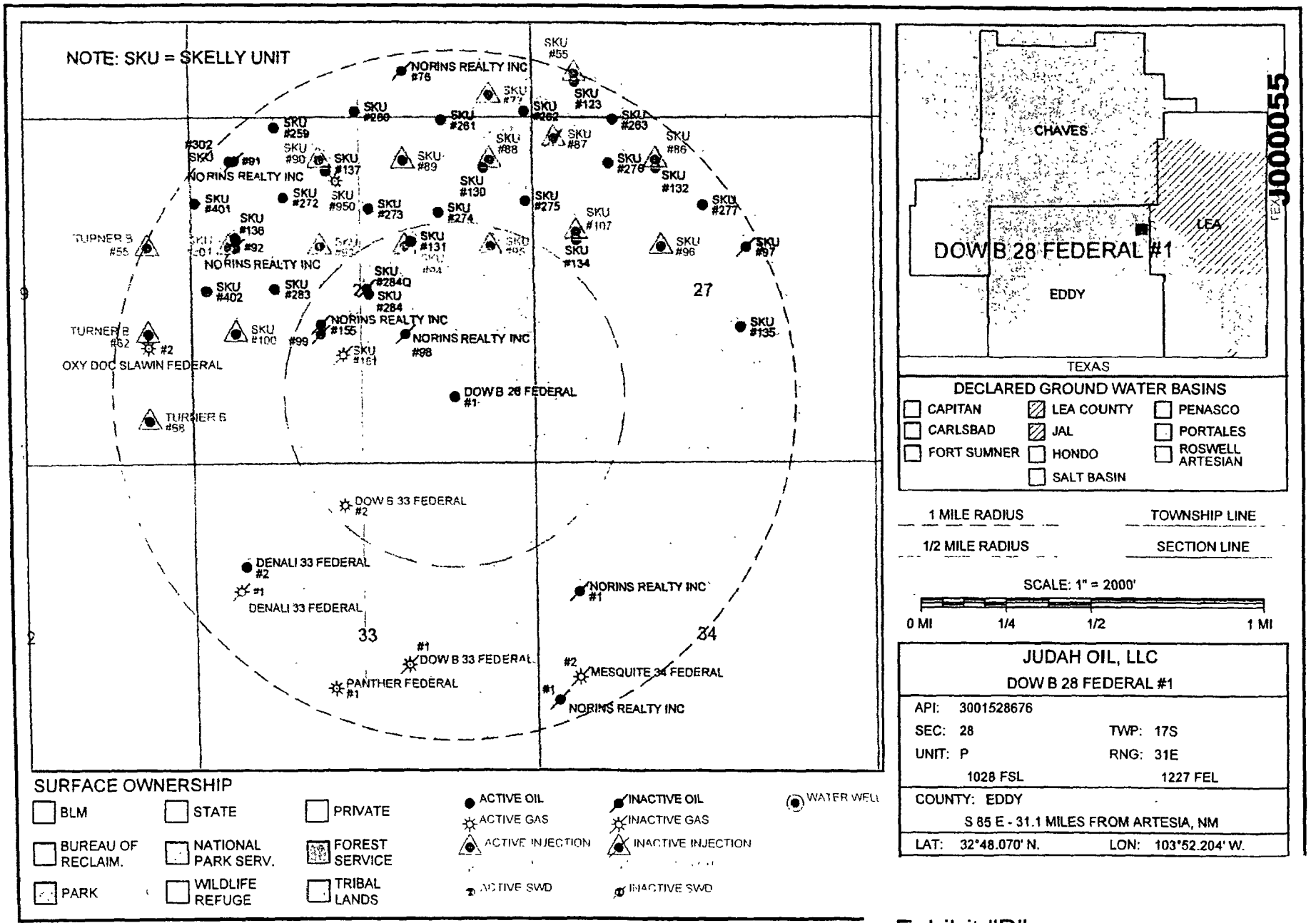
BEP

J000053

Dow B 28 Federal # 001
API # 30-015-28676
UL"P", Sec 28,T17S,R31E
Eddy, County, NM
After Conversion



BEP



DECLARED GROUND WATER BASINS

- CAPITAN
- CARLSBAD
- FORT SUMNER
- LEA COUNTY
- JAL
- HONDO
- SALT BASIN
- PENASCO
- PORTALES
- ROSWELL ARTESIAN

1 MILE RADIUS — TOWNSHIP LINE

1/2 MILE RADIUS — SECTION LINE

SCALE: 1" = 2000'

0 MI 1/4 1/2 1 MI

JUDAH OIL, LLC	
DOW B 28 FEDERAL #1	
API: 3001528676	
SEC: 28	TWP: 17S
UNIT: P	RNG: 31E
1028 FSL	1227 FEL
COUNTY: EDDY	
S 85 E - 31.1 MILES FROM ARTESIA, NM	
LAT: 32°48.070' N.	LON: 103°52.204' W.

Exhibit "B"

	RAD	API	OPERATOR	LEASE	NUM	T	S	TWN	RNG	SEC	UL	TVD
		3001528676	YESO ENERGY INC	DOW B 28 FEDERAL	#1	O	A	17S	31E	28	P	12725
1	1216	3001505440	SKELLY	NRI	#98	O	P	17S	31E	28	J	3780
2	1837	3001528140	WISER	SU	#161	G	P	17S	31E	28	K	12080
3	2040	3001529314	FOREST	SU	#284	O	A	17S	31E	28	J	4025
4	2127	3001528976	WISER	SU	#284Q	O	P	17S	31E	28	G	4150
5	2273	3001504829	TEXACO	NRI	#99	O	P	17S	31E	28	K	3780
6	2335	3001505441	FOREST	SU	#95	I	A	17S	31E	28	H	3783
7	2339	3001522533	TEXACO	NRI	#155	O	P	17S	31E	28	K	2680
8	2391	3001504884	FOREST	SU	#94	I	A	17S	31E	28	G	3767
9	2413	3001527675	V-F	DOW B 33 FEDERAL	#2	G	A	17S	31E	33	C	12100
10	2456	3001522265	FOREST	SU	#131	O	A	17S	31E	28	G	2600
11	2812	3001529210	FOREST	SU	#274	O	A	17S	31E	28	G	3950
12	3044	3001522268	FOREST	SU	#134	O	A	17S	31E	27	E	
13	3065	3001504885	FOREST	SU	#93	I	A	17S	31E	28	F	
14	3125	3001520410	FOREST	SU	#107	I	A	17S	31E	27	E	
15	3144	3001529239	FOREST	SU	#273	O	A	17S	31E	28	G	3950
16	3174	3001528881	FOREST	SU	#275	O	A	17S	31E	28	A	4000
17	3223	3001529227	FOREST	SU	#283	O	A	17S	31E	28	E	4000
18	3516	3001522264	FOREST	SU	#130	O	A	17S	31E	28	A	
19	3520	3001505432	FOREST	SU	#100	I	A	17S	31E	28	L	
20	3557	3001505486	SUNRAY	NRI	#1	O	P	17S	31E	34	H	
21	3631	3001505426	FOREST	SU	#88	I	A	17S	31E	28	A	
22	3665	3001505429	FOREST	SU	#89	I	A	17S	31E	28	B	
23	3744	3001532437	CHEVRON	SU	#950	G	A	17S	31E	28	C	12095
24	3937	3001505424	FOREST	SU	#96	I	A	17S	31E	27	F	
25	3959	3001522506	FOREST	SU	#137	O	A	17S	31E	28	C	
26	4009	3001529064	FOREST	SU	#272	O	A	17S	31E	28	C	3987
27	4080	3001505431	TEXACO	NRI	#92	O	P	17S	31E	28	E	
28	4139	3001505428	FOREST	SU	#90	I	A	17S	31E	28	C	
29	4153	3001529860	FOREST	SU	#402	O	A	17S	31E	28	E	3988
30	4162	3001529496	FOREST	SU	#301	I	A	17S	31E	28	E	3950
31	4165	3001522481	FOREST	SU	#136	O	A	17S	31E	28	E	
32	4189	3001527068	OXY	DOW 33	#1	G	P	17S	31E	33	J	12050
33	4192	3001532164	V-F	DENALI	#2	O	A	17S	31E	33	E	11950
34	4215	3001505420	FOREST	SU	#87	I	P	17S	31E	27	D	

J000056

Exhibit "C"

35	4221	3001528812	FOREST	SU	#261	O	A	17S	31E	28	B	3950
36	4302	3001529225	FOREST	SU	#276	O	A	17S	31E	27	D	3950
37	4487	3001528789	FOREST	SU	#262	O	A	17S	31E	21	P	3950
38	4525	3001531723	EOG	DENALI	#1	G	P	17S	31E	33	E	11925
39	4547	3001522269	FOREST	SU	#135	O	A	17S	31E	27	G	
40	4603	3001528811	FOREST	SU	#260	O	A	17S	31E	21	N	3950
41	4610	3001505340	FOREST	SU	#77	I	A	17S	31E	21	P	
42	4688	3001522266	FOREST	SU	#132	O	A	17S	31E	27	C	
43	4720	3001530318	DEVON	MESQUITE	#2	G	P	17S	31E	34	L	12200
44	4728	3001505452	MERIT	TURNER B	#68	I	A	17S	31E	29	P	
45	4764	3001505421	FOREST	SU	#86	I	A	17S	31E	27	C	
46	4775	3001532585	OXY	DOC SLAWIN	#2	G	A	17S	31E	29	I	11880
47	4810	3001505449	MERIT	TURNER B	#62	I	A	17S	31E	29	I	
48	4845	3001528967	FOREST	SU	#277	O	A	17S	31E	27	G	4100
49	4860	3001529142	V-F	PANTHER	#1	G	A	17S	31E	33	K	11940
50	4910	3001505483	WESTERN	NRI	#1	O	P	17S	31E	34	H	
51	4912	3001529184	FOREST	SU	#263	O	A	17S	31E	27	D	3900
52	4936	3001505427	TEXACO	NRI	#91	O	P	17S	31E	28	D	
53	4939	3001528975	FOREST	SU	#259	O	A	17S	31E	28	D	4000
54	4962	3001529817	FOREST	SU	#401	O	A	17S	31E	28	D	3950
55	4989	3001529712	FOREST	SU	#302	O	A	17S	31E	28	D	3800
56	5026	3001505336	TEXACO	NRI	#76	O	P	17S	31E	21	O	
57	5058	3001505425	WISER	SU	#97	O	P	17S	31E	27	G	
58	5165	3001522257	FOREST	SU	#123	O	A	17S	31E	22	M	
59	5232	3001505444	MERIT	TURNER B	#55	I	A	17S	31E	29	H	
60	5257	3001505349	FOREST	SU	#55	I	A	17S	31E	22	M	

SU=SKELLY UNIT
NRI= NORINS REALTY INC
Wells in 0.5 mile AOR

Exhibit "C"

Skelly Unit # 161
API # 30-015-28140
UL"K", Sec.28,T17S,R31E
Eddy, County, NM
Current well bore

PA 12/29/2001

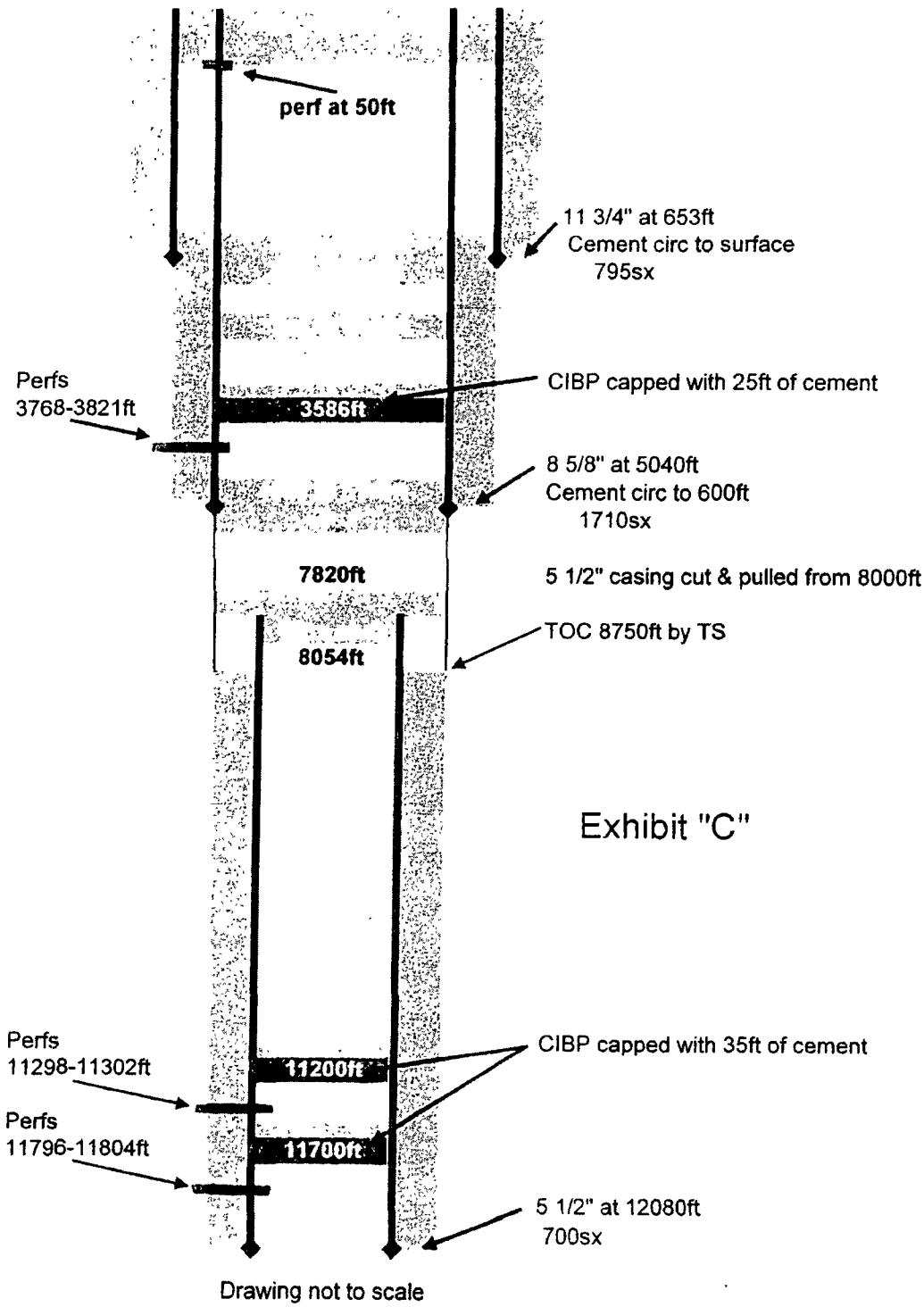


Exhibit "C"

Drawing not to scale

BEP

www.pwllc.net

J000058

VF Petroleum
Dow B 33 Federal # 002
API # 30-015-27675
UL"C", Sec.33,T17S,R31E
Eddy, County, NM

Producing from Cedar Lake; Morrow, East (Gas) Pool

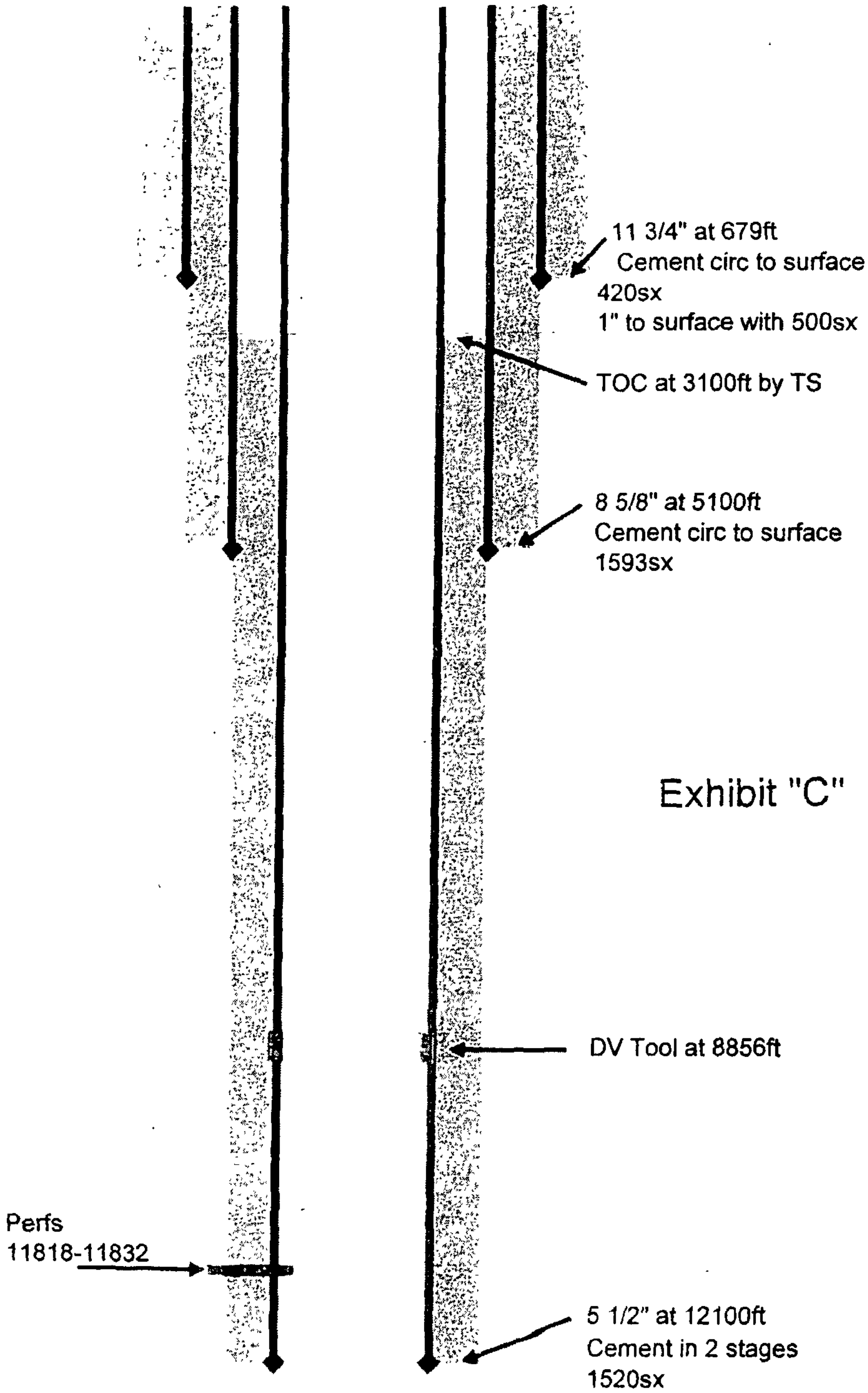


Exhibit "C"

Drawing not to scale

BEP

J000059

Judah Oil,L.L.C.
Dow B 28 Federal # 001
Unit Letter P, Section 28, T17S, R31E
Eddy County, New Mexico
Possible pools disposing in Dow B 28 Federal # 001

J000060

Pool	Section	Township	Range	TDS	Chlorides
EMPIRE;ABO	27	17S	28E	224062	135900
ARTESIA;QUEEN-GRAYBURG-SAN ANDRES	28	17S	28E	237482	147300
ARTESIA; GLORIETA-YESO	33	17S	28E	206471	137940
EMPIRE; MORROW, SOUTH	31	17S	29E	35148	19800
EMPIRE; GLORIETA-YESO	19	17S	29E	213384	142829
CROW FLATS;MORROW	3	17S	27E	44318	27242
LOGAN DRAW;MORROW	11	17S	27E	8567	4604
RED LAKE;QUEEN-GRAYBURG-SA	3	18S	37E	217737	146435

Data obtained from
http://octane.nmt.edu

Exhibit "D"

NM WAIDS

DATA MAPS HOME SCALE CORROSION

Water Samples for Well ELVIS 002
API = [illegible]
Formation = [illegible]
Field = null

[illegible] Water [illegible] Information

Instructions:

Click [icon] For general information about this sample.

Click [icon] For scale calculation pages (Stiff-Davis or Oddo Tomson methods).

Click [icon] To select **this water sample** for water mixing. It will lead to the main page, and add the sample ID to the mixing table.

Click 6604 Click the hyperlinked sample number to make a csv for that sample, or select several check boxes and click Submit for multiple samples

[illegible]

SampleID	T	R	S	SO4	CL	CO3	HCO3	K	Na	Ca	Mg
[illegible]	17S	32E	17	1368	78216	0	172	307	44579	4415	817
3281	17S	32E	17	1151	73312	0	380	951	34886	8865	1330

SELECT/DESELECT ALL

Submit

New Mexico Tech PRRC

Exhibit "E"

Judah Oil,L.L.C.
Dow B 28 Federal # 001
API # 30-015-28676
1028 FSL X 1227 FEL
Unit Letter "P", Section 28, T17S, R31E
Eddy County, New Mexico

Geological Data

The Wolfcamp formation in the Dow B 28 Federal # 001 is approximately 1200 feet thick and is a light to dark gray reefoid limestone of Permian age. Above the Wolfeamp is the Bone Springs formation and below the Wolfeamp is the Cisco or Canyon formation. The Wolfcamp in the area is usually a zone of lost circulation and is non productive of oil or gas.

There is no known fresh water strata underlying the Wolfcamp formation.

No fresh water wells were identified or found in the 1 mile area of view. Fresh water is contained in the alluvial fill from surface to the top of the Red Bed. Surface casing on oil and gas wells in the area average 616 feet.

Exhibit"F"

Judah Oil,L.L.C.
Dow B 28 Federal # 001
API # 30-015-28676
1028 FSL X 1227 FEL
Unit Letter "P", Section 28, T17S, R31E
Eddy County, New Mexico

Notified Parties

Bureau of Land Management
2909 West Second Street
Roswell, New Mexico 88201

V-F Petroleum, Inc
PO Box 1889
Midland, Texas 79702

Yeso Energy, Inc
PO Box 8280
Roswell, New Mexico 88201

Sandridge Exploration & Production, L.L.C.
123 Robert S. Kerr Avenue
Oklahoma City, OK 73102

Exhibit "G"

Legal Notice

Judah Oil,L.L.C. PO Box 568, Artesia, New Mexico 88211 has filed form C108(Application for Authorization to Inject) seeking administrative approval for the conversion of the Dow B 28 Federal # 001, API # 30-015-28676,
1028 FSL X 1227 FEL, Unit Letter"P", Section 28, T17S, R31E,
Eddy County, New Mexico from a shut in Cedar Lake Morrow gas well to a Wolfcamp commercial salt water disposal well. The disposal interval is the Wolfcamp formation through perforations 8725 feet to 9580 feet. Disposed fluid would be produced water trucked in from numerous producing formations in southeastern New Mexico.
Anticipated disposal pressure of 0 psig with a maximum disposal pressure of 1745 psig.
Anticipated disposal rate of 10000 barrels of water per day with a maximum disposal rate of 20000 barrels of water per day.
Well is located approximately 31.1 miles east of Artesia, New Mexico

All interested parties opposing the aforementioned must file objections with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505 with in 15 days. Additional information can be obtained by contacting Blaise Campanella 5757485488

Legal Notice will be published in the Artesia Press. Affidavit of Publication will be forwarded to the NMOCD when received.

Exhibit "G"