

MERIDIAN OIL

4 DIVISION

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Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87501

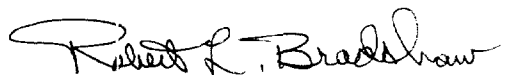
Re: Southland Royalty Company
RJU Tr. 2A Well No. 2
Unit B, Sec 27, T17S, R29E
Eddy County, New Mexico
LC-028775-B

Gentlemen:

Enclosed is Form C-108 and attachments requesting authorization to convert the above referenced well to water injection for secondary recovery. Proof that a copy of the application has been sent to operators within $\frac{1}{2}$ mile and the required legal notice has been published in a local newspaper will be sent following receipt of that information.

By copy of this packet, we are requesting the appropriate BLM representative to review this data and to advise you of their concurrence with our request. If either of you have questions please contact me at 915 688-6836.

Sincerely,



Robert L. Bradshaw
Sr. Staff Environmental Representative

cc: Well file
Joe Small
OCD - Artesia
BLM - Carlsbad

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no
- II. Operator: Southland Royalty Company
Address: 3300 N. "A" St., Bldg. 6 Midland, Texas 79705
Contact party: Robert L. Bradshaw Phone: (915) 688-6836
- 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 ☐ 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 geological data on the injection zone including appropriate lithologic detail, geological 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 source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any. None planned
- * 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. No fresh water wells.
- 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 source 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: Robert L. Bradshaw Title Senior Staff Environmental Rep.
Signature: Robert L. Bradshaw Date: December 20, 1991
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. _____

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
9/5/87
SUBJECT: FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS
O. C. D.
ARTISTS OFFICE

Operator
SOUTHLAND ROYALTY COMPANY

21 Desta Dr., Midland, TX 79705

Reason(s) for Filing (Check proper box)

CHANGE LEASE NAME FROM

Recompletion	Oil	Dry Gas	
☐	☐	☐	HUBBINSOON JACKSON ONI IN 2A
☐	☐	☐	
☐	☐	☐	

Change in Operator ☐ Changed Head Gas ☐ Condensate ☐

Effective 10-1-90

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
RJU TR 2A	2	GRAYBURG JACKSON TRVS ON GB SA	Split Federal or Fee FEDERAL	LC-028775-B

Location	✓
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Unit Letter B : 660 Feet From The North Line and 1980 Feet From The EAST Line

Section 27 Township 17S Range 29E, NMPM, EDDY County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil TEXAS-NEW MEXICO PL	☒ or Condensate	Address (Give address to which approved copy of this form is to be sent) P.O. BOX 60088, SAN ANGELO, TX 76901
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Name of Authorized Transporter of Casinghead Gas PHILLIPS 66 NATURAL GAS CO	☒ or Dry Gas ☐	Address (Give address to which approved copy of this form is to be sent) 4001 PENBROOK, ODESSA, TEXAS 79762
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If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When ?
	F	35	17S	29E		

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resv	Diff Resv
Designate Type of Completion - (X)								

Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
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Elevations (D/F, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
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Performance	Depth Casing Shoe

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
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V. TEST DATA AND REQUEST FOR ALLOWABLE

INJECTION WELL DATA SHEET

Side 1

INJECTION WELL DATA SHEET

SIDE 1

Southland Royalty Company Robinson Jackson Unit

OPERATOR

LEASE

Tract 2A No. 2 660' FNL & 1879' FEL Sec. 27 T17S R29E

WELL NO.

PROPERTY LOCATION

SECTION

TOWNSHIP

RANGE

Schematic

Refer to Wellbore
Diagram

Tabular Data

Surface Casing

Size 8-5/8" Cemented with 50 ss.

TIC 800' feet determined by calc.

Hole size 11"

Intermediate Casing

Size 7" Cemented with 100 ss.

TIC 700' feet determined by calc.

Hole size 7-7/8"

Log String

Size 5-1/2" Cemented with 100 ss.

TIC 1200' feet determined by calc.

Hole size 6-1/4"

Total depth 3300'

Injection interval perforated

3236 feet to 3276 feet
(perforated at open hole, indicate which)

INJECTION WELL DATA SHEET
Side 2

INJECTION WELL DATA SHEET -- SIDE 2

Tubing size 2-3/8" 4.7# lined with ceramic coating set in a
(material) _____
Baker Loc-Set packer at 3200 feet
(brand and model) _____

(or describe any other casing-tubing seal).

Other Data

1. Name of the injection formation San Andres (Keely)
2. Name of Field or Pool (if applicable) ABG Jackson 7RV QN GB SA Field
3. Is this a new well drilled for injection? ☐ Yes ☒ No
If no, for what purpose was the well originally drilled? Oil producer from 1937
to present
4. Has the well ever been perforated in any other zone(s)? (list all such perforated intervals and give plugging detail (sacks of cement or bridge plug(s) used) originally open
hole from 2266-2805'. Deepened to 3300'. Ran 5-1/2" casing to surface and
cemented with 100 sxs.
5. Give the depth to and name of any overlying and/or underlying oil or gas zones (pools) in this area. No other producing formations below Mexex (Grayburg)
could be productive above at 2300-2400'.

Attachment to Form C-108
Southland Royalty Company
Robinson Jackson Unit Tract 2A, No. 2

VII.

1. Average rate/volume 500 bpd
Maximum rate/volume 1000 bpd
2. This is a closed system.
3. Average injection pressure 1600 psi.
Maximum injection pressure 2000 psi.
4. Formation water will be reinjected.
5. Formation water will be reinjected for secondary recovery.

VIII. San Andres (Keely Zone) of Permian Age.

Lithology - dolomite with some anhydrite

Thickness: San Andres - (2700 - 3600') - 900'
Keely Zone - (3200 - 3400') - 200'

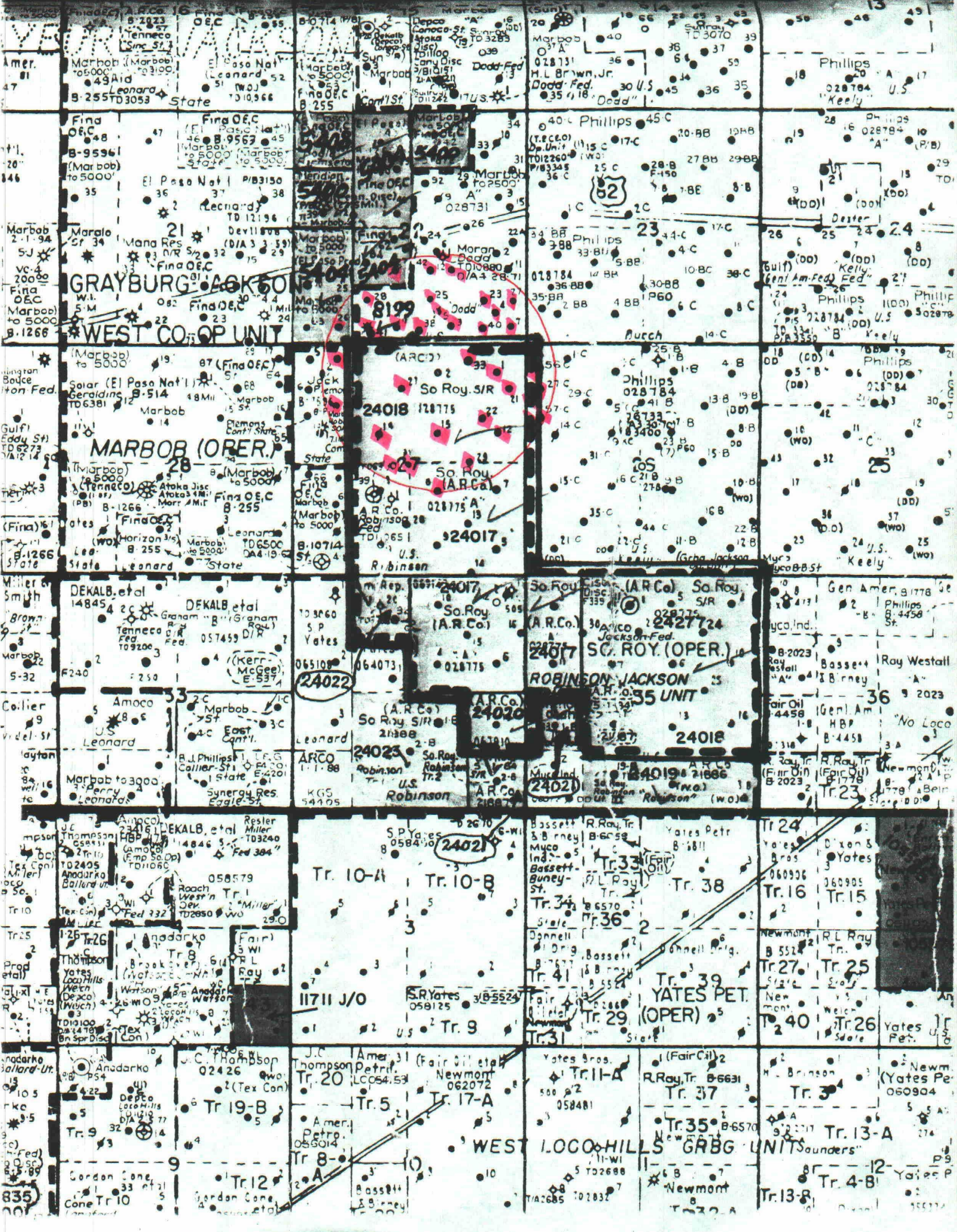
No underground drinking water in the area.

IX. No stimulation planned.

X. Log attached.

XI. No fresh water wells within 1 mile.

XII. This application is not for a disposal well.



Y...
Amer. 81
47
Find OEC
B-95961
(Marbob)
to 5000'

Find OEC
B-95961
(Marbob)
to 5000'

Phillips
028784
"Keely"

Phillips
028784
"A" (P/B)

Find OEC
B-95961
(Marbob)
to 5000'

Find OEC
B-95961
(Marbob)
to 5000'

Phillips
028784
"A" (P/B)

Phillips
028784
"A" (P/B)

GRAYBURG
WEST CO. OP UNIT

GRAYBURG
WEST CO. OP UNIT

Phillips
028784
"A" (P/B)

Phillips
028784
"A" (P/B)

MARBOD (OPER.)

MARBOD (OPER.)

Phillips
028784
"A" (P/B)

Phillips
028784
"A" (P/B)

DEKALB, et al

DEKALB, et al

Phillips
028784
"A" (P/B)

Phillips
028784
"A" (P/B)

DEKALB, et al

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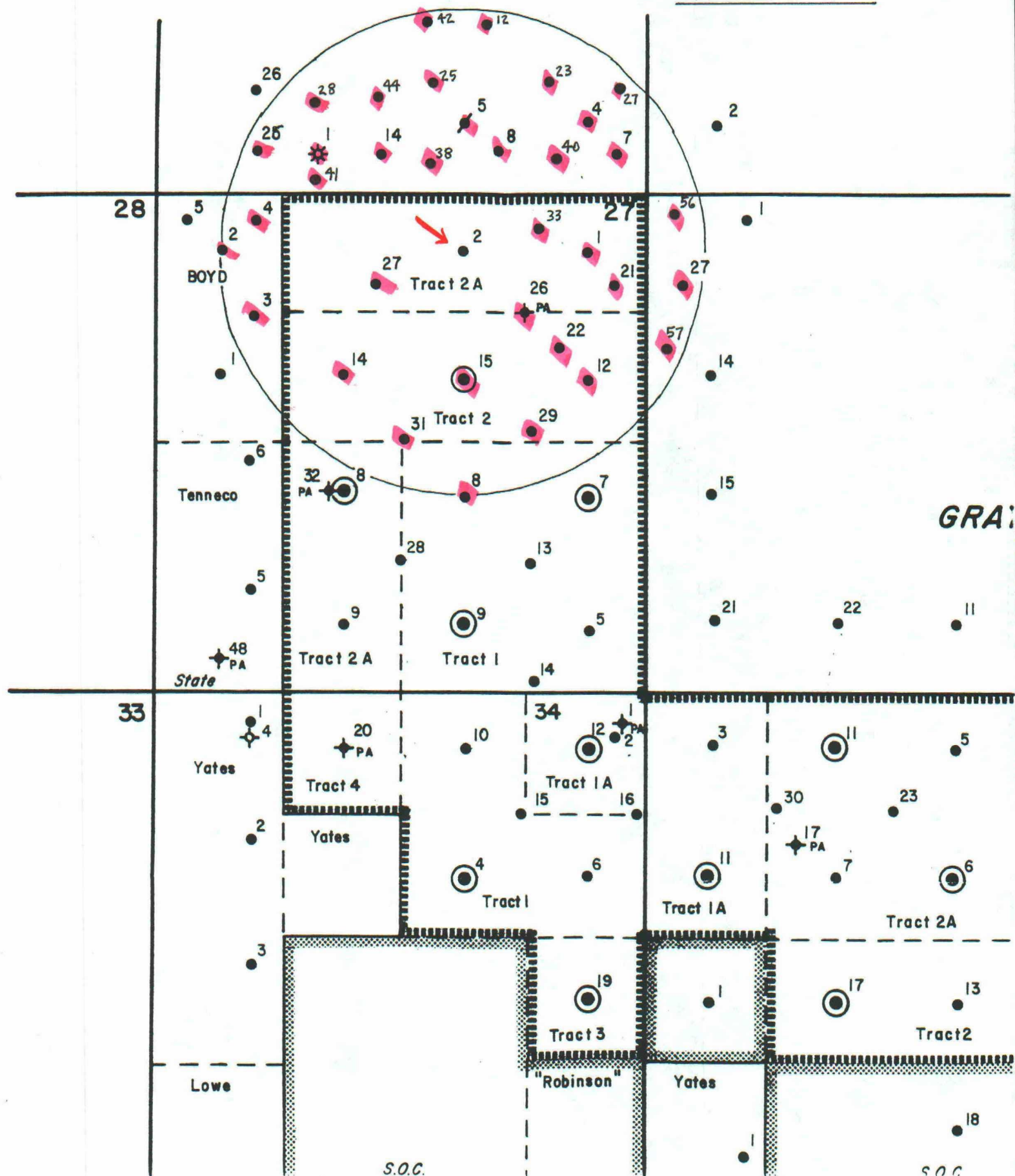
DEKALB, et al

Phillips
028784
"A" (P/B)

Phillips
028784
"A" (P/B)

SEC. 22

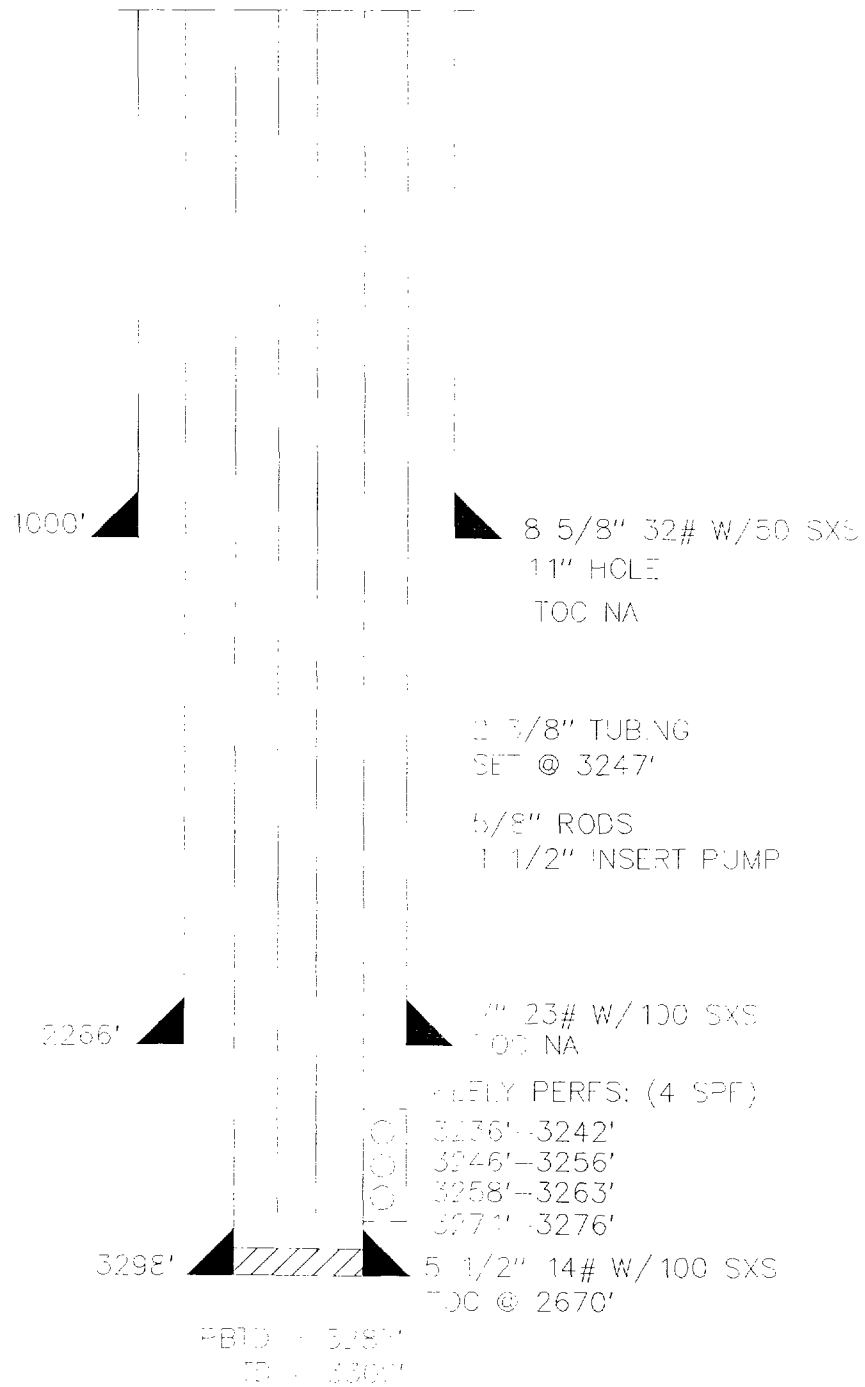
AREA OF REVIEW



MERIDIAN OIL

RJL TR 2A No. 2
GBO, JACKSON, W-RVP, CN, SA FIELD
EDDY COUNTY, NEW MEXICO

CURRENT CONDITION



MERIDIAN OIL INC.
(Southland Royalty Co.)

Application for Injection Permit
Robinson Jackson Unit Tract 2A No. 2
Grayburg Jackson 7RVS QN GB SA Field
Eddy County, New Mexico

Wells in Area of Review

Completion Records

SRC RJU Tr. 1 #8

1947 - Open hole Jackson 2750-2950' treated w/ 11,000g acid
1974 - Perf Metex 2440-48' & 2400-18' Frac w/ gelled water 20,000g &
23,000 lbs sd
1987 - Perf sqz holes at 410' sqz w/ 125 sx
Deepen to 3519' Run 4 1/2" to 3519'
Perf Keely 3387-3416'
Frac w/ 22,600g gel wtr and 8,650 lbs sd
Acidize w/ 9,000g gel acid

SRC RJU Tr. 2 #12

1946 - Open hole Jackson 2681-2902' treated w/ 6,000g acid
1975 - Refrac w/ 60,000g gel wtr and 80,000 lbs sd
1987 - Perf sqz holes at 440' sqz w/ 100 sx
Deepen to 3500' Run 4 1/2" to 3500'
Perf Keely 3328-3367'
Frac w/ 29,000g gel wtr and 32,000 lbs sd

SRC RJU Tr. 2 #14

1947 - Open hole Jackson 2625-2840' treated w/ 8,000g acid
1974 - Deepen to 3315' - open hole Keely & Jackson
Frac w/ 29,000 lbs sd
1975 - Perf Metex 2352-60'
Frac w/ 25,000 lbs sd

SRC RJU Tr. 2 #15

1947 - Open hole Jackson 2661-2870' 6000g acid
1973 - Convert to WIW
 Perf Metex 2346-54' and 2376-84'
 Acidize w/ 750g
1978 - Sqz csg hole at 1760'

SRC RJU Tr. 2 #22

1948 - Open hole Jackson and Keely 2666-3310' 3000g acid
1974 - Perf Metex 2402-08' and 2362-80'
 Refrac open hole w/ 28,000 lbs sd
 Frac Metex w/ 20,000 lbs sd

SRC RJU Tr. 2 #29

1950 - Open hole Jackson 2710-2922' 7500g acid
1974 - Perf Metex 2378-84', 2386-96' and 2418-24'
 Frac w/ 20,000g gel wtr & 28,000 lbs sd
1974 - Deepen to 3388' (open hole Jackson & Keely)
 Frac open hole w/ 40,000g gel wtr & 48,000 lbs sd

SRC RJU Tr. 2 #31

1951 - Open hole Jackson 2683-2877' 15,000g acid
1974 - Perf Metex 2358-68' and 2390-98'
 Frac Metex w/ 23,000 lbs sd
1974 - Deepen to 3408' (open hole Jackson & Keely)
 Frac w/ 20,000g wtr and 48,000 lbs sd

SRC RJU Tr. 2A #1

1937 - Open hole Jackson 2600-2785' shot w/ 360 qts nitro
1956 - Refrac open hole w/ 20,000g oil and 20,000 lbs sd

SRC RJU Tr. 2A #21

1948 - Open hole Jackson and Keely 2655-3310' 6500g acid
1955 - Refrac open hole w/ 10,000g oil and 10,000 lbs sd
1974 - Refrac open hole w/ 40,000g gel & 42,000 lbs sd

SRC RJU Tr. 2A #26

Completion date unknown
This well was P&A'd sometime after completion
No records exist

SRC RJU Tr. 2A #27

1950 - Open hole Jackson and Keely 2610-3258' 5000g acid
1955 - Refrac open hole w/ 10,000g & 10,000 lbs sd
1974 - Refrac open hole w/ 24,000 lbs sd
1975 - Perf Metex 2326-34' Frac w/ 25,000 lbs sd
1977 - Sqz down 7" x 8-5/8" annulus w/ 250 sx

SRC RJU Tr. 2A #33

1988 - Perf Keely 3035-3384' Frac w/ 50,000g & 162,000 lbs sd
Perf Jackson 2669-2818'
Frac w/ 48,000g & 132,000 lbs sd
1990 - Perf Metex 2357-2408' Frac w/ 12,000g & 30,000 lbs sd
Sqz Metex under retainer w/ 250 sx

Phillips Petroleum Keely "C" Federal #27

1987 - Perf Paddock 4320-4630' Acid w/ 7900g
Sqz under retainer w/ 135 sx
Perf Grayburg-San Andres 2384-3462'
Frac w/ 78,000g & 150,000 lbs sd

Phillips Petroleum Keely "C" Federal #56

1984 - Perf Grayburg-San Andres 2374-3409'
Acid w/ 18,500g Frac w/ 26,000g oil & 52,000 lbs sd

Phillips Petroleum Keely "C" Federal #57

1984 - Perf Keely 3241-3444'
Acid w/ 3,265g Frac w/ 40,000g & 66,000 lbs sd
Perf Jackson 2636-3109'
Acid w/ 2,125g Frac w/ 40,000g & 66,000 lbs sd
Perf Metex 2340-2466' Frac w/ 13,000g oil

Marbob Energy Dodd "A" # 4

Completion date unknown
No records exist

Marbob Energy Dodd "A" # 5

1937 - Probably completed in Jackson
1948 - P&A'd No records exist

Marbob Energy Dodd "A" # 7

1948 - Open hole Keely 3245-3311' Treated w/ 75g acid
1977 - Perf Jackson 2671-3090'
Acid w/ 2500g Frac w/ 35,000g & 68,000 lbs sd

Marbob Energy Dodd "A" # 8

1955 - Open hole Keely 3189-3259' Frac w/ 10,000g
1977 - Perf Jackson 3093-3176'
Acid w/ 4000g Frac w/ 10,000g & 13,000 lbs sd

Marbob Energy Dodd "A" # 12

1956 - Open hole Keely 3208-3255' Frac w/ 10,000g

Marbob Energy Dodd "A" # 14

1956 - Open hole Keely 3180-3263' Frac w/ 10,000g
1972 - Perf Keely 3134-68'
Acid w/ 2000g Frac w/ 24,000g & 30,000 lbs sd
1981 - Cleanout to 3263' Acid w/ 2000g

Marbob Energy Dodd "A" # 23

1983 - Perf Jackson & Keely 2674-3282' Frac?

Marbob Energy Dodd "A" # 25

1983 - Perf Jackson and Keely 2652-3328' Frac?

Marbob Energy Dodd "A" # 26

1957 - Open hole Keely 3150-3248' Frac w/ 20,000g

Marbob Energy Dodd "A" # 27

1984 - Perf Jackson and Keely 2684-3338' Frac?

Marbob Energy Dodd "A" # 28

1984 - Perf Jackson and Keely 2643-3307'
Frac w/ 239,000g & 240,000 lbs sd

Marbob Energy Dodd "A" # 38

1986 - Perf Keely 3676-3698'
Frac w/ 20,000g & ? lbs sd

Marbob Energy Dodd "A" # 40

1986 - Perf Jackson and Keely 2683-3353'
Acid w/ 4000g Frac w/ 138,000g & 250,000 lbs sd

Marbob Energy Dodd "A" # 41

1986 - Perf Jackson and Keely 2630-3302'
Acid w/ 4000g Frac w/ 336,000g & 450,000 lbs sd

Marbob Energy Dodd "A" # 42

1987 - Perf Jackson and Keely 2659-3340'
Acid w/ 4000g Frac w/ 168,000g & 240,000 lbs sd

Marbob Energy Dodd "A" # 44

1986 - Perf Jackson and Keely 2658-3253'
Acid w/ 4000g Frac w/ 126,000g & 180,000 lbs sd

Boyd & Plemons Continental-State No. 2

1951 - Open Hole Loco Hills, Metex, Jackson 2214-2726'
Shot w/ 100 qts nitro
Acidized w/ 7000g

Boyd & Plemons Continental-State No. 3

1954 - Open hole Loco Hills, Metex 2221-2403'
Shot w/ 105 qts nitro
Acidized w/ 3750g

Boyd & Plemons Continental-State No. 4

1956 - Open hole Kelly 3164-3225'
Frac w/ 10,000g

Barnsdale Oil Dodd No. 1

1933 - Open Hole LH, Metex, Jackson 2307-2993' Acid w/ 850g

Meridian Oil Inc.
(Southland Royalty Company)

Application for Injection Permit
Robinson Jackson Unit Tract 2A No. 2
Grayburg Jackson TRVS QN GB SA Field
Eddy County, New Mexico

AREA OF REVIEW

(See attached wellbore diagrams for well construction, depth, and record of completion)

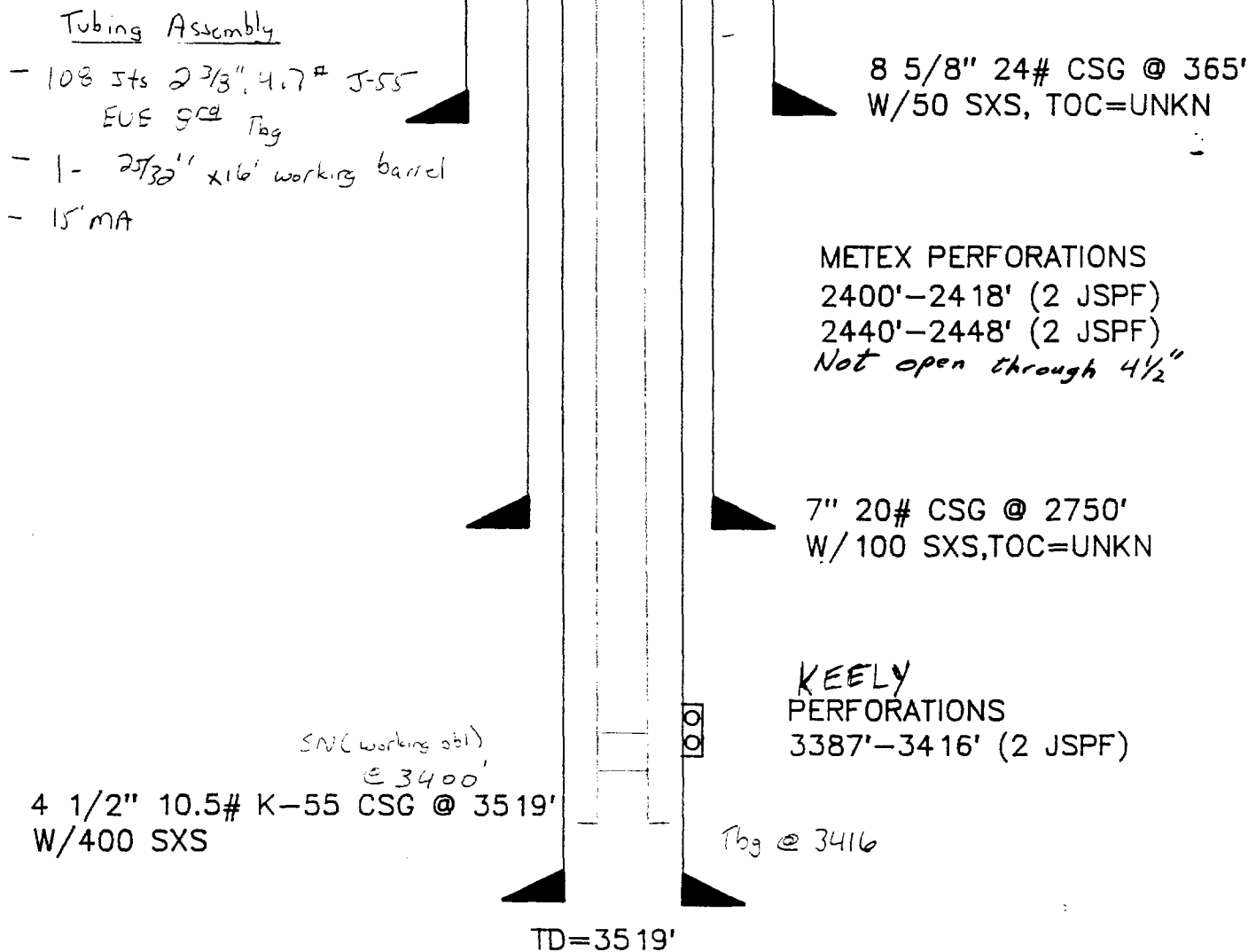
<u>Operator</u>	<u>Well Name</u>	<u>Well Type</u>	<u>Status</u>	<u>Completion Date</u>	<u>Location Footage</u>	<u>Section</u>	<u>TwSHP</u>	<u>RANGE</u>
Southland Royalty	Robinson Jackson Unit Tr. 1 #8	Oil	Prod	Feb-1947	1980 FS&EL	27	17S	29E
Southland Royalty	Robinson Jackson Unit Tr. 2 #12	Oil	SI	Oct-1946	1980 FN & 660 FEL	27	17S	29E
"	"	Oil	Prod	Jan-1947	1980 FN & FWL	27	17S	29E
"	"	Water Injector	Inj	Mar-1947	1980 FN & FEL	27	17S	29E
"	"	Oil	Prod	Sep-1948	1650 FN & 990 FEL	27	17S	29E
"	"	Oil	Prod	Nov-1950	2615 FN & 1295 FEL	27	17S	29E
"	"	Oil	Prod	Mar-1951	2615 FN & FWL	27	17S	29E
Southland Royalty	Robinson Jackson Unit Tr. 2A #1	Oil	Prod	Apr-1937	660 FN & FEL	27	17S	29E
"	"	Oil	Prod	Jun-1948	990 FN & 330 FEL	27	17S	29E
"	"	Oil	P&A	NA	NA	27	17S	29E
"	"	Oil	Prod	Jul-1950	990 FN & 2310 FWL	27	17S	29E
"	"	Oil	Prod	Sep-1988	385 FN & 1325 FEL	27	17S	29E

<u>Operator</u>	<u>Well Name</u>	<u>Well Type</u>	<u>Status</u>	<u>Completion Date</u>	<u>Location Footage</u>	<u>Section</u>	<u>TwSHP</u>	<u>RANGE</u>
Phillips Pet.	Keely "C" Federal #27~	Oil	Prod	Aug-1987	1980 FS & 2080 FEL	26	17S	29E
"	" #56~	Oil	Prod	Apr-1984	530 FN & 330 FWL	26	17S	29E
"	" #57~	Oil	Prod	May-1984	1650 FN & 330 FWL	26	17S	29E
Marbob Energy	Dodd "A" #4	Oil	Prod	NA	NA	22	17S	29E
"	" #5~	Oil	P&A	Jun-1937	660 FS & 1980 FEL	22	17S	29E
"	" #7~	Oil	Prod	Nov-1948	330 FS & FEL	22	17S	29E
"	" #8~	Oil	Prod	Jul-1955	330 FS & 1650 FEL	22	17S	29E
"	" #12~	Oil	Prod	Mar-1956	1650 FS & FEL	22	17S	29E
"	" #14~	Oil	SI	Mar-1956	330 FS & 2310 FWL	22	17S	29E
"	" #23~	Oil	Prod	Jul-1983	990 FS & FEL	22	17S	29E
"	" #25~	Oil	Prod	Oct-1983	990 FS & 2210 FEL	22	17S	29E
"	" #26~	Oil	Prod	Apr-1947	660 FS & 990 FWL	22	17S	29E
"	" #27~	Oil	Prod	Jan-1984	940 FS & 330 FEL	22	17S	29E
"	" #28~	Oil	Prod	Mar-1984	990 FS & 1650 FWL	22	17S	29E
"	" #38~	Oil	Prod	Dec-1986	330 FS & 2410 FEL	22	17S	29E
"	" #40~	Oil	Prod	May-1986	330 FS & 990 FEL	22	17S	29E
"	" #41~	Oil	Prod	Jan-1987	330 FS & 1750 FWL	22	17S	29E
"	" #42~	Oil	Prod	Sep-1987	1650 FS & 2190 FEL	22	17S	29E
"	" #44~	Oil	Prod	Jan-1991	990 FS & 2360 FWL	22	17S	29E
Barnsdall Oil Co.	Dodd #1~	Oil	SI	May-1933	330 FS & 1650 FWL	22	17S	29E
Boyd & Plenons	Continental-State #2~	Oil	Prod	Jan-1951	660 FN & WL	22	17S	29E
"	"~	Oil	Prod	Dec-1954	1345 FN & 940 FWL	22	17S	29E
"	"~	Oil	SI	Sep-1956	330 FN & 990 FWL	22	17S	29E

MERIDIAN OIL
RJU 1-8
GRAYBURG-JACKSON FIELD
EDDY COUNTY, NEW MEXICO

KLM 4/30/90

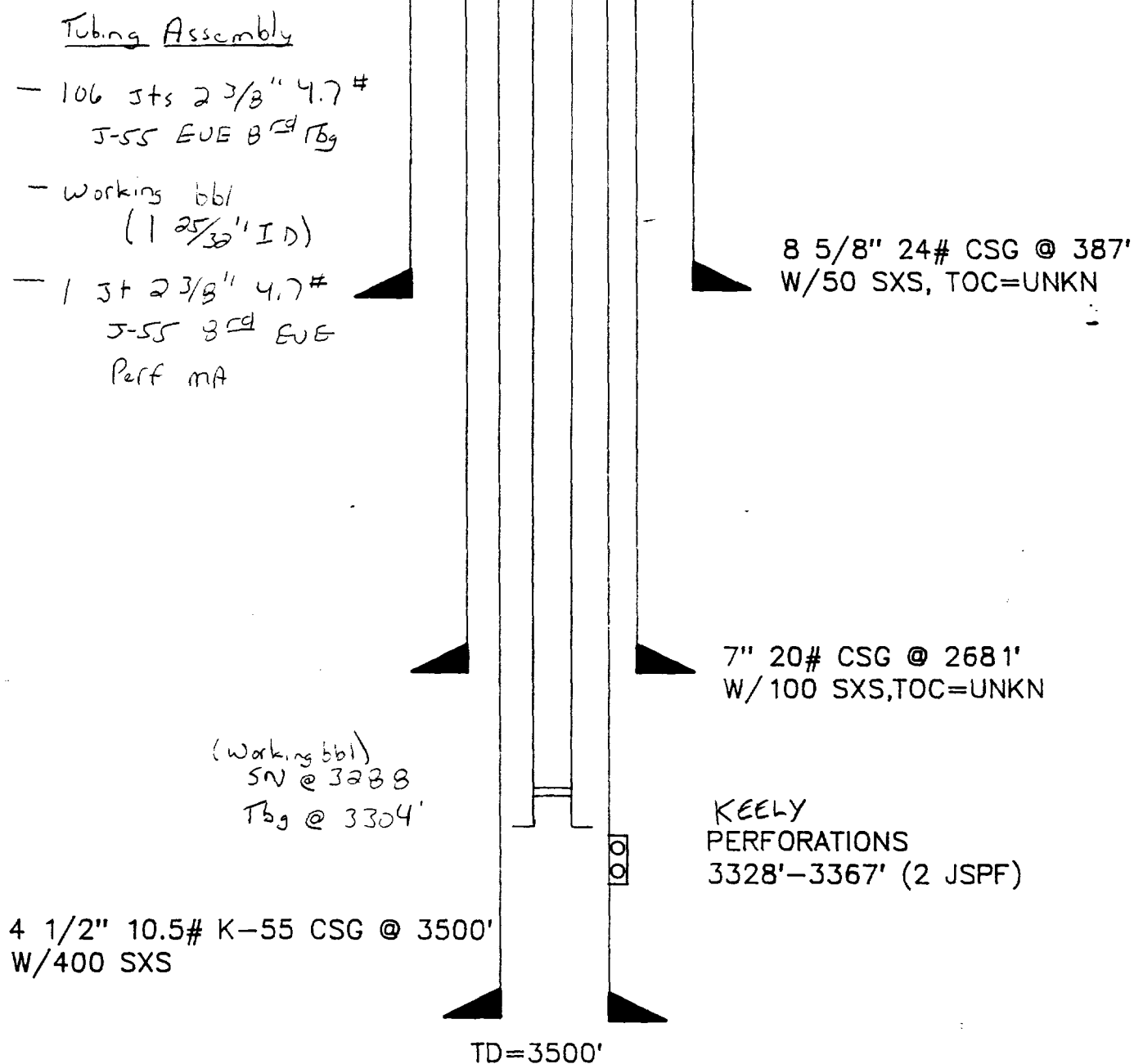
DRILLED 12/46



MERIDIAN OIL
RJU 2-12
GRAYBURG-JACKSON FIELD
EDDY COUNTY, NEW MEXICO

KLM 4/30/90

DRILLED 10/46



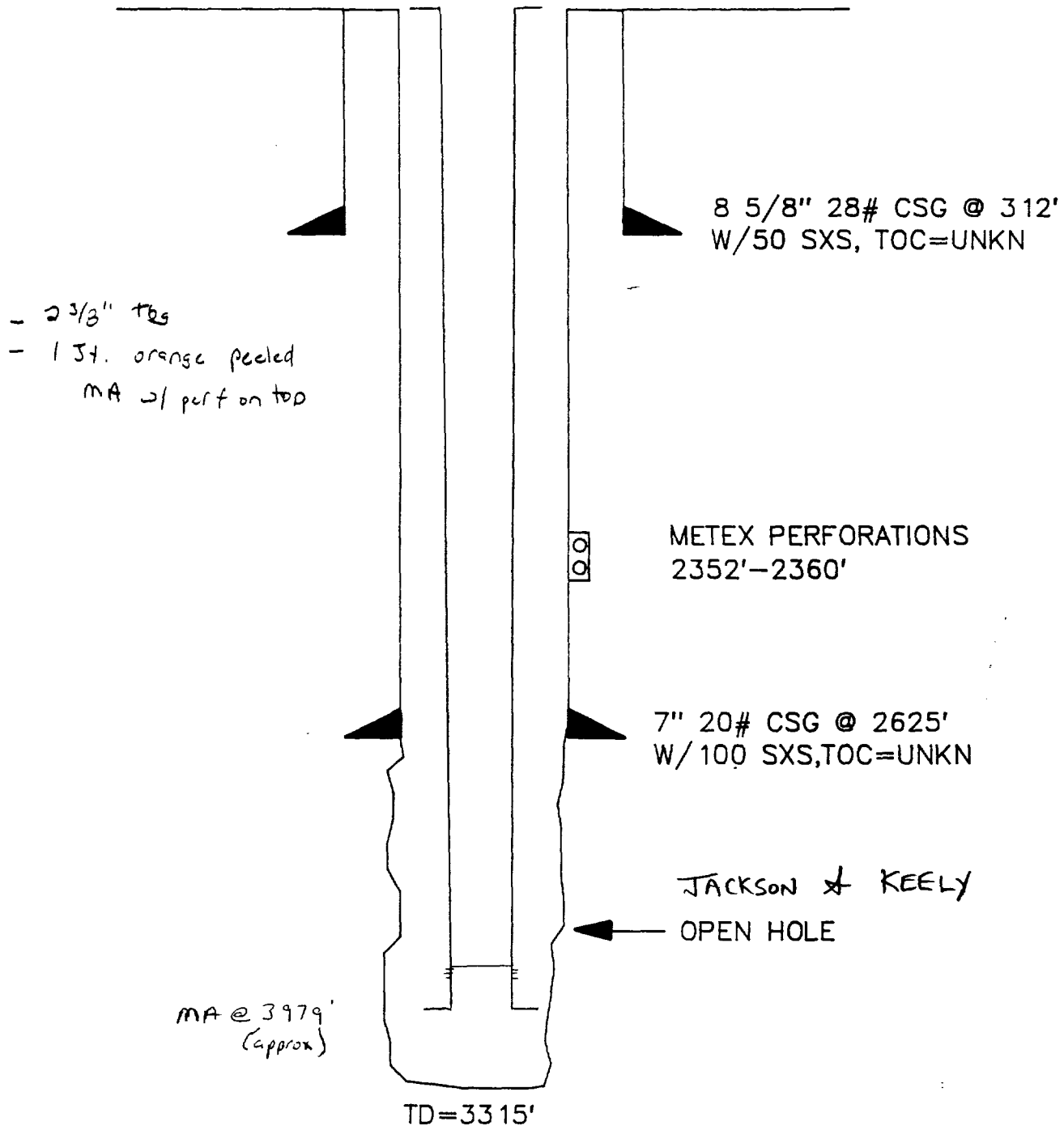
MERIDIAN OIL

KLM 4/30/90

RJU 2-14

GRAYBURG-JACKSON FIELD
EDDY COUNTY, NEW MEXICO

DRILLED 12/46



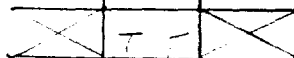
Page _____
Date _____
By _____

Surface
8 1/4" @
335' unit
w/ 50 sxs.

335'

All Jt.
2 3/8" EUE
J-55 PC Tubing

73
Jt.
2-10'
1-6'
sxs



T.T. packer - hold-down
@ 2271'

1
Jt.
R

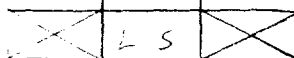
Rgs @
2325'

(2346-2354)

METEX

(2376-2384)

9
Jt.



L.S. packer @
2587'

1
Jt.
R

Rgs. @
2623'

Production @
7" @ 2661'
Unit w/
100 sxs

BP @ 2340'

JACKSON OPEN HOLE

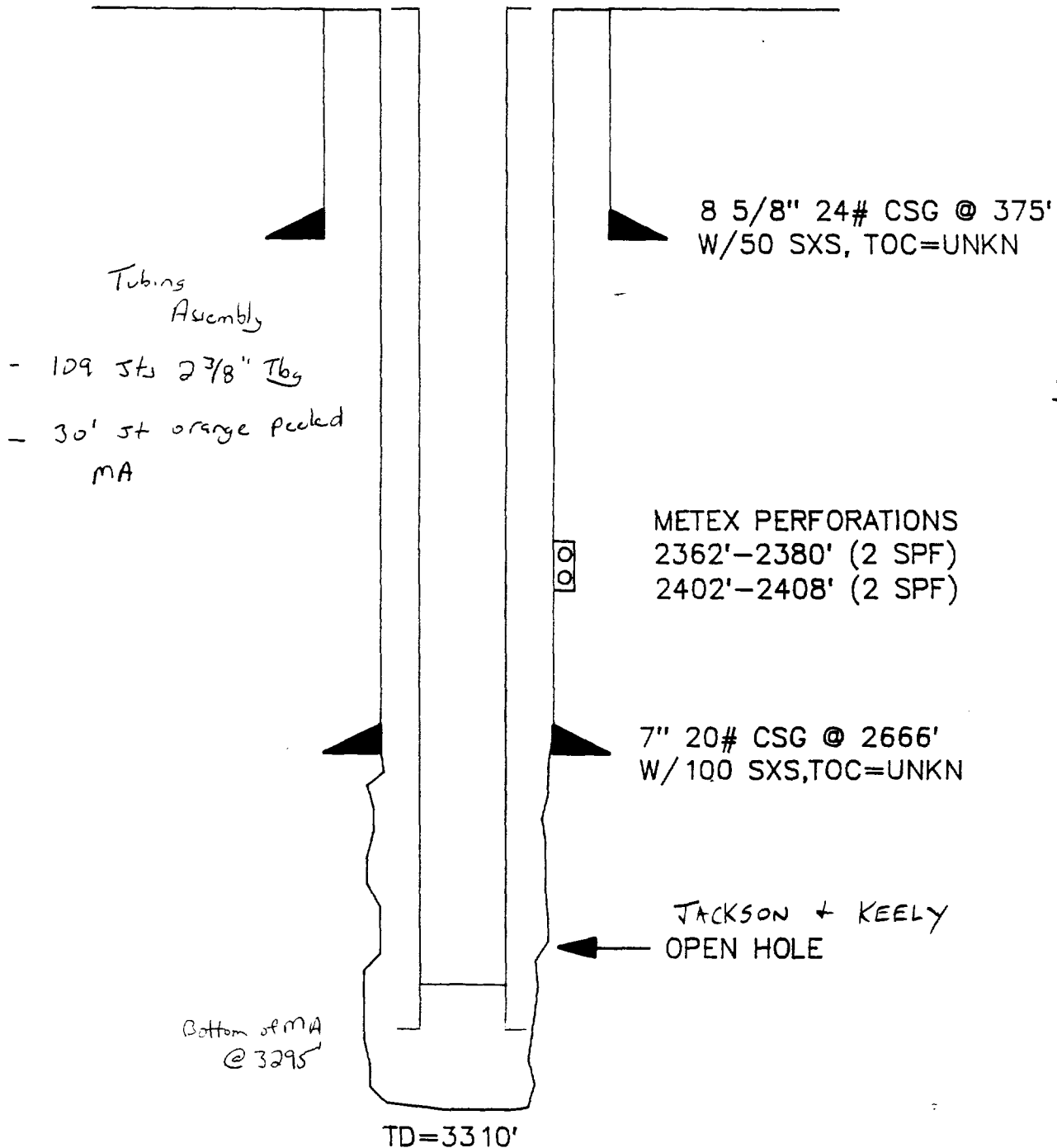
2661'

TD 2870'

MERIDIAN OIL
RJU 2-22
GRAYBURG-JACKSON FIELD
EDDY COUNTY, NEW MEXICO

KLM 4/30/90

DRILLED 9/48



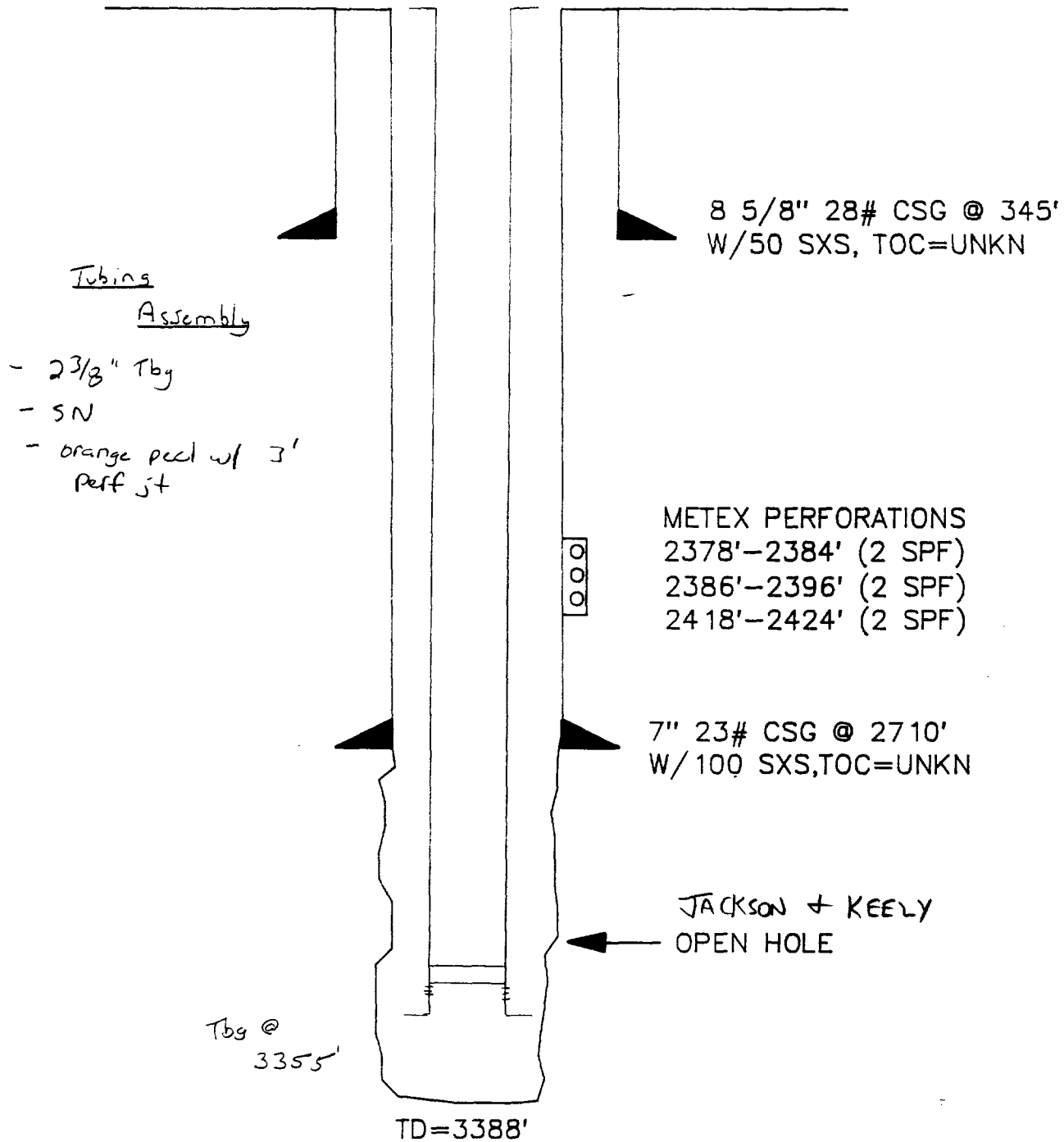
MERIDIAN OIL

KLM 4/30/90

RJU 2-29

GRAYBURG-JACKSON FIELD
EDDY COUNTY, NEW MEXICO

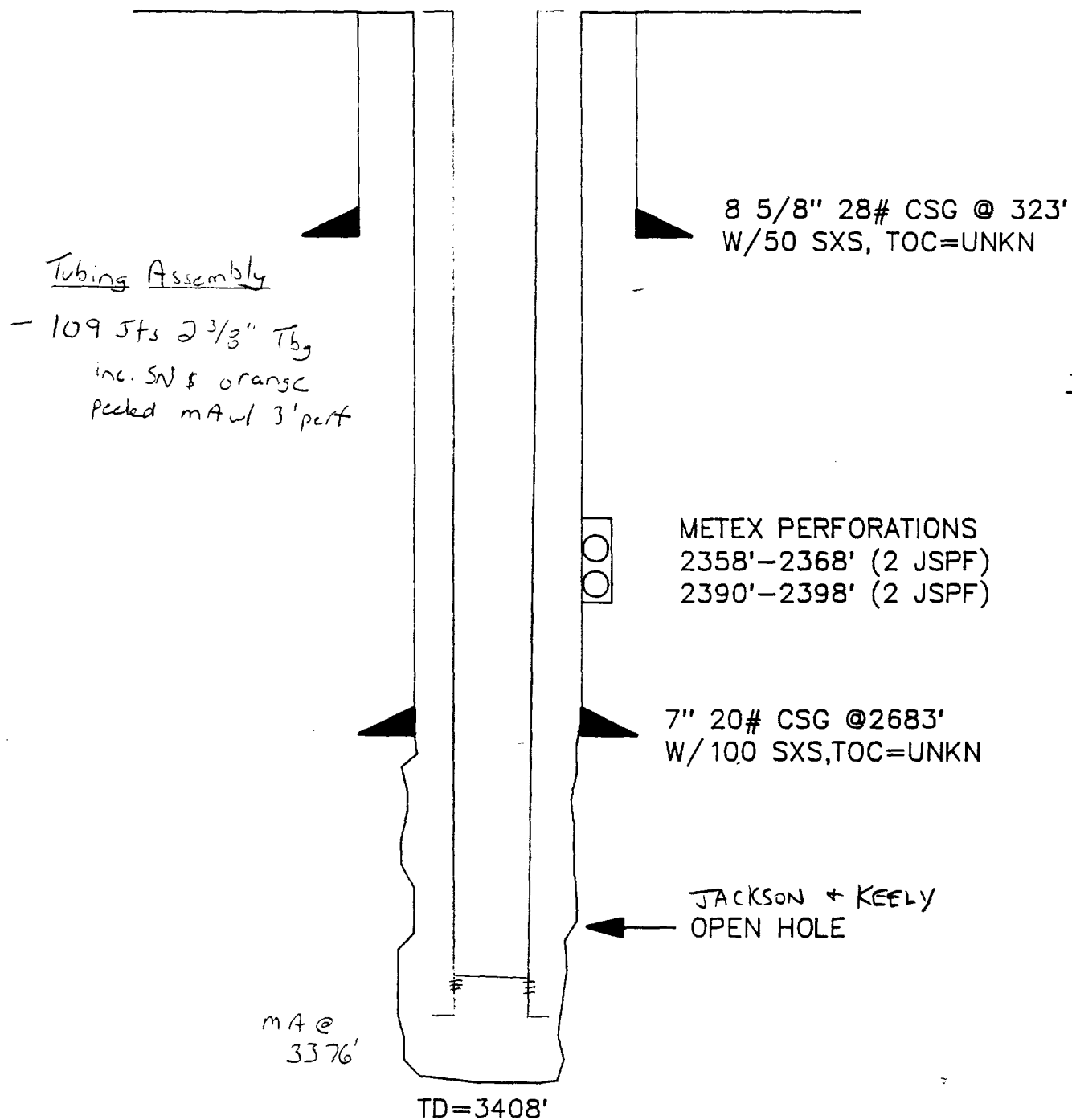
DRILLED 11/50



MERIDIAN OIL
RJU 2-31
GRAYBURG-JACKSON FIELD
EDDY COUNTY, NEW MEXICO

KLM 4/30/90

DRILLED 3/51



MERIDIAN OIL
RJU 2A-1
GRAYBURG-JACKSON FIELD
EDDY COUNTY, NEW MEXICO

KLM 4/30/90

DRILLED 4/37

2 7/8" Tbg

8 1/4" CSG @ 382'
W/ 100 SXS, TOC=UNKN

7" CSG @ 2305'
W/ 100 SXS, TOC=UNKN

pkc e
2347' (10/56)

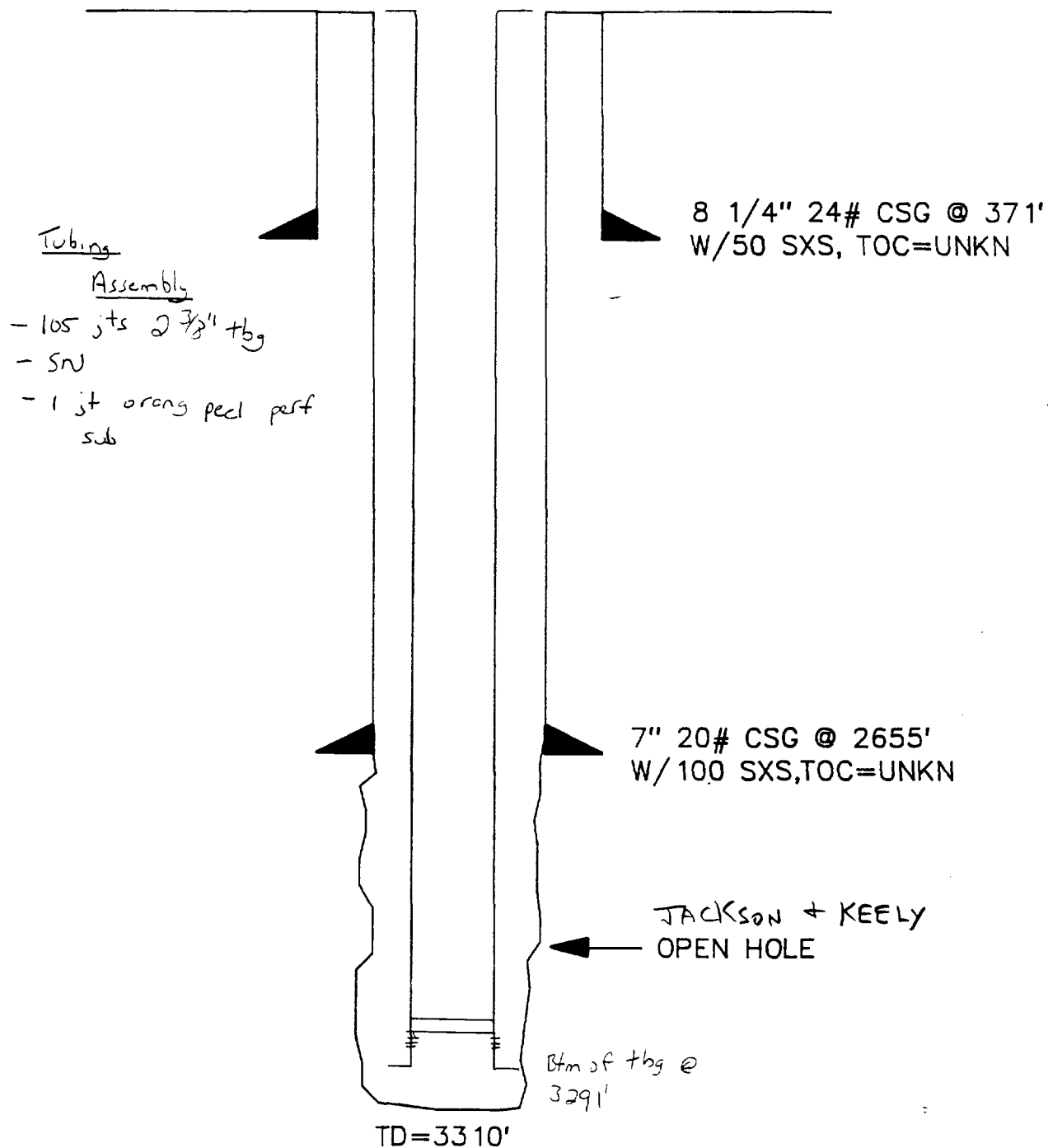
OPEN HOLE
METEX
PREMIER
LOVINGTON SAND
JACKSON

TD=2798'

MERIDIAN OIL
RJU 2A-21
GRAYBURG-JACKSON FIELD
EDDY COUNTY, NEW MEXICO

KLM 4/30/90

DRILLED 6/48



MERIDIAN OIL
RJU 2A-27
GRAYBURG-JACKSON FIELD
EDDY COUNTY, NEW MEXICO

KLM 4/30/90

DRILLED 7/50

- 103 Jts 2 3/8" Tbg
- 1 25/32" Tbg barrel

8 5/8" 28# CSG @ 345'
W/50 SXS, TOC=UNKN

METEX PERFORATIONS
2326'-2334' (2 SPF)

7" 23# CSG @ 2621'
W/100 SXS, TOC=UNKN

JACKSON + KEELY
OPEN HOLE

Tbg @
3237'

TD=3258'

MERIDIAN OIL
RJU 2A-33
GRAYBURG-JACKSON FIELD
EDDY COUNTY, NEW MEXICO

KLM 4/30/90

DRILLED 9/88
GL=3573'
KB=3589'

8 5/8" 24# K-55 @ 250'
W/ 175 SKS, TOC=SURF

METEX PERFORATIONS
2357'-2371' (2 JSPF)
2380'-2383' (2 JSPF)
2392'-2408' (2 JSPF)
SQUEEZED WITH 250 SXS

JACKSON PERFS
2669'-2818' (SELECTIVE)

KEELEY PERFORATIONS
3035'-3384' (SELECTIVE)

5 1/2" 14# K-55 @ 3500'
W/ 1720 SKS, CIRC BUT
TOC @2190', ABOVE THIS
CMT IS SPOTTY

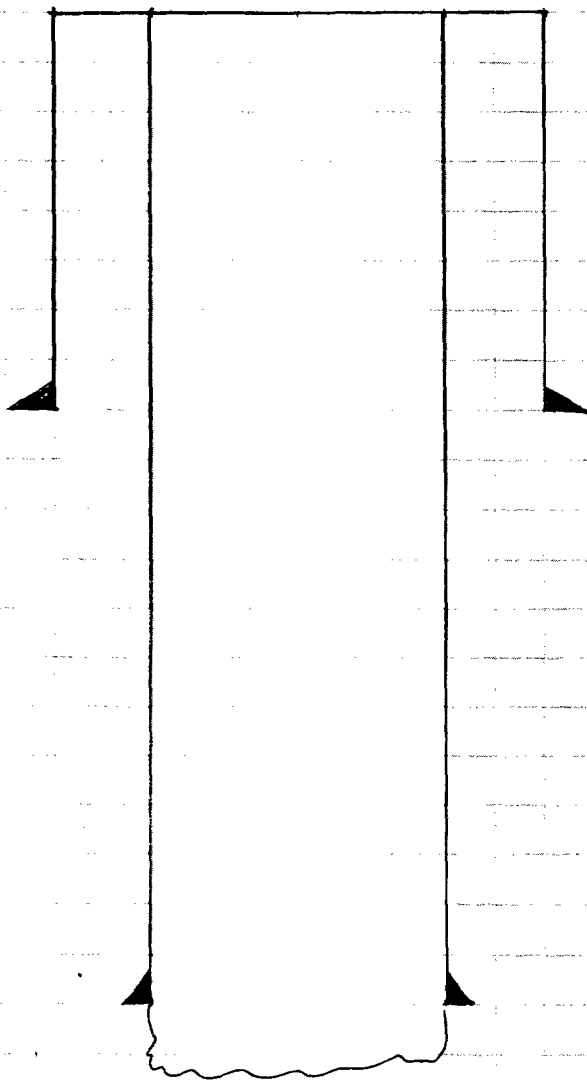
TD=3500'
PBD=3450'

Page _____
Date _____
By _____

MARBOB ENERGY
Grayburg - Jackson Field
Eddy County, NM

JMS 12-16-91

DODD "A" No. 5



No other
INFORMATION
AVAILABLE

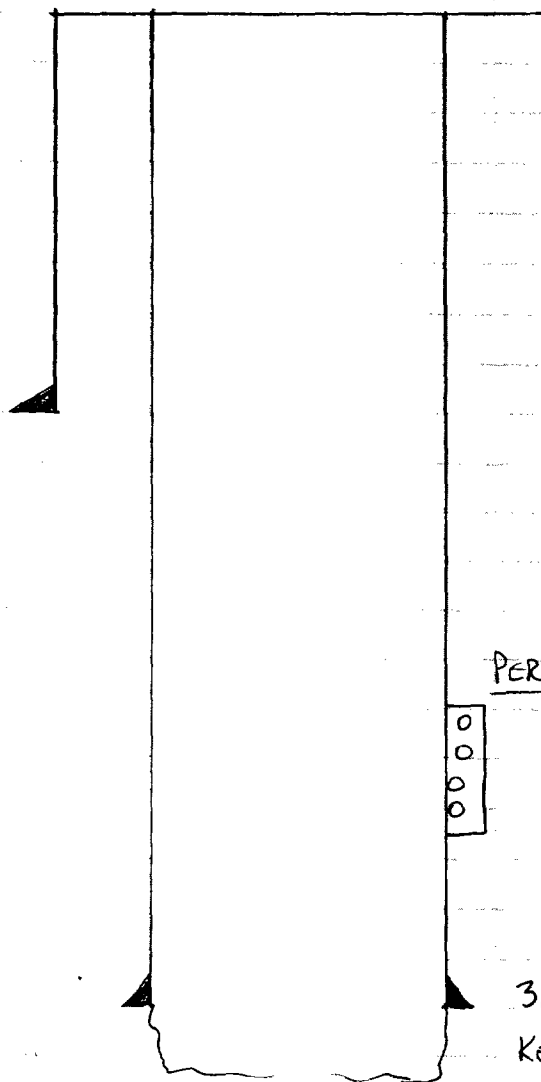
TD 2757'

Page _____
Date _____
By _____

MARBOB ENERGY
Grayburg - Jackson Field
Eddy County, NM

JMS 12-16-91

DODD "A" No. 7



10 3/4"

CMT w/ 250sx

288'

7"

CMT w/ 100sx

PERFS

0
0
0
0

2671-3090' JACKSON

3245

KEELY

TD 3311'

Page _____
Date _____
By _____

MARBOB ENERGY
Grayburg - Jackson Field
Eddy County, NM

JMS 12-16-91

DODD "A" No. 8



8-5/8"
CMT w/ 125sx

255'

5 1/2"
CMT w/ 300sx

PERFS

3093-3176 JACKSON

3189'

KEELY

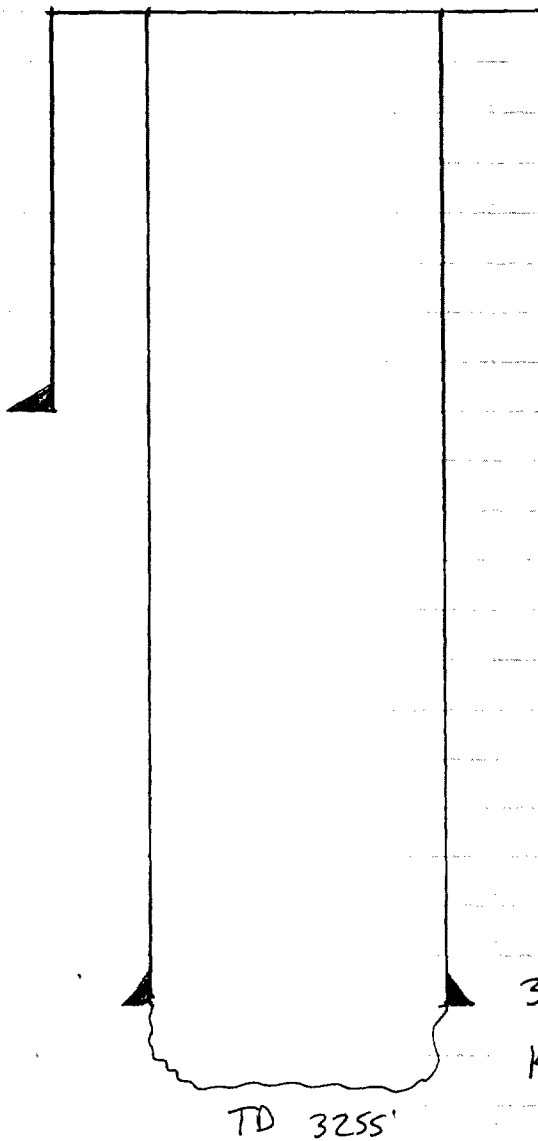
TD 3259'

Page
Date
By

MARBOB ENERGY
Grayburg - Jackson Field
Eddy County, NM

JMS 12-16-91

DODD "A" No. 12



8-5/8"
CMT W/ 300SX

341'

5 1/2"
CMT W/ 250 SX

3208'

KEELY

TD 3255'

Page _____
Date _____
By _____

MARBOB ENERGY
Grayburg - Jackson Field
Eddy County, NM

JMS 12-16-91

DODD "A" No. 14

2-3/8" Hg
set @ 3255'

8-5/8"
CMT w/ 350 SX

457'

5 1/2"
CMT w/ 250 SX

~~LOOSE~~ JACKSON
3134-68'

3180'

OPEN HOLE
KEELY

TD 3263'

Page _____
Date _____
By _____

MARBOB ENERGY
Grayburg - Jackson Field
Eddy County, NM

JMS 12-16-91

DODD "A" No. 23

2-7/8" Hg
Set AT 3307'

8-5/8"

CMT w/ 200 SX

345'

5 1/2"

CMT w/ 2800 SX

PERFS 2674-3282'

JACKSON + KEELY

0
0
0
0
0

3410'

TD 3410

Page _____
 Date _____
 By _____

MARBOB ENERGY
 GRAYBURG - JACKSON FIELD
 Eddy County, NM

JMS 12-16-91

DODD "A" No. 25

2 7/8" Hog
 Set AT 3348'

8-5/8
 CMT W/ 225 SX

350'

5 1/2"
 CMT 2100 SX

Perfs 2652-3328'
 JACKSON + Keely

PBTD 3381'

3420'

TD 3420'

Page _____
Date _____
By _____

MARBOB ENERGY
Grayburg - Jackson Field
Eddy County, NM

JMS 12-16-91

DODD "A" No. 26

8-5/8"
CMT w/ 50 SX

301'

5 1/2"
CMT w/ 225 SX

3150'

KEELY

TD 3248'

Page
Date
By

MARBOB ENERGY
Grayburg - Jackson Field
Eddy County, NM

JMS 12-16-91

DODD "A" No. 27

2-7/8" tag
set at 3358'

8.5/8"
CMT w/ 325sx

252'

5 1/2"
CMT w/ 2750sx

Perts 2684-3338'

JACKSON + Keely

PBTD 3450'

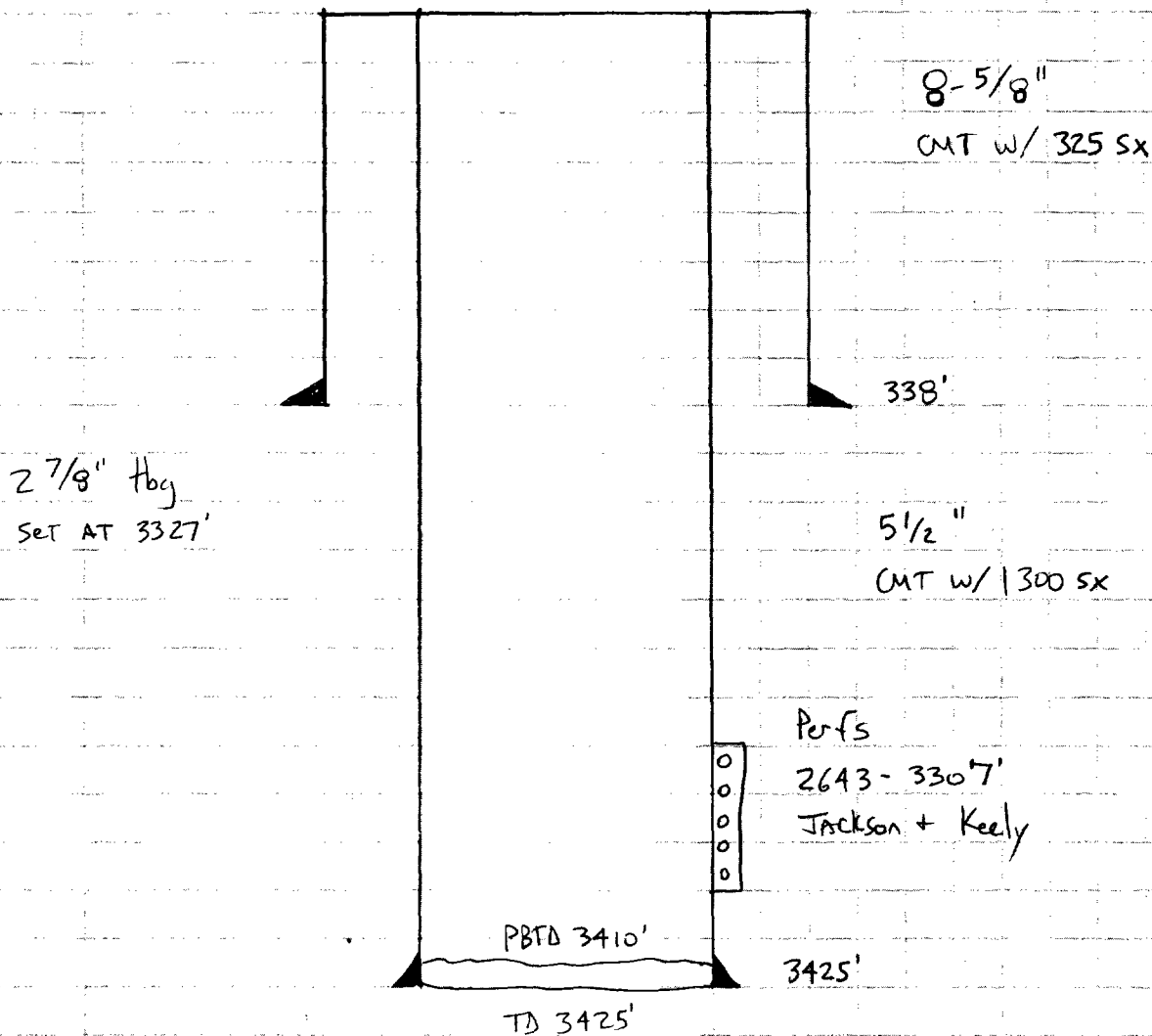
3467'

TD 3491'

MARBOB ENERGY
 Grayburg - Jackson Field
 Eddy County, NM

JMS 12-16-91

DODD "A" No. 28



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Date _____
By _____

MARBOB ENERGY
Grayburg - Jackson Field
Eddy County, NM

JMS 12-16-91

DODD "A" No. 38

2 7/8" Hbg
Set @ 3718

8-5/8"
CMT w/ 300 SX

342'

5 1/2"
CMT w/ 4050 SX

PERFS

3676 - 3698'

Keely



PBTD 4453'

4473'

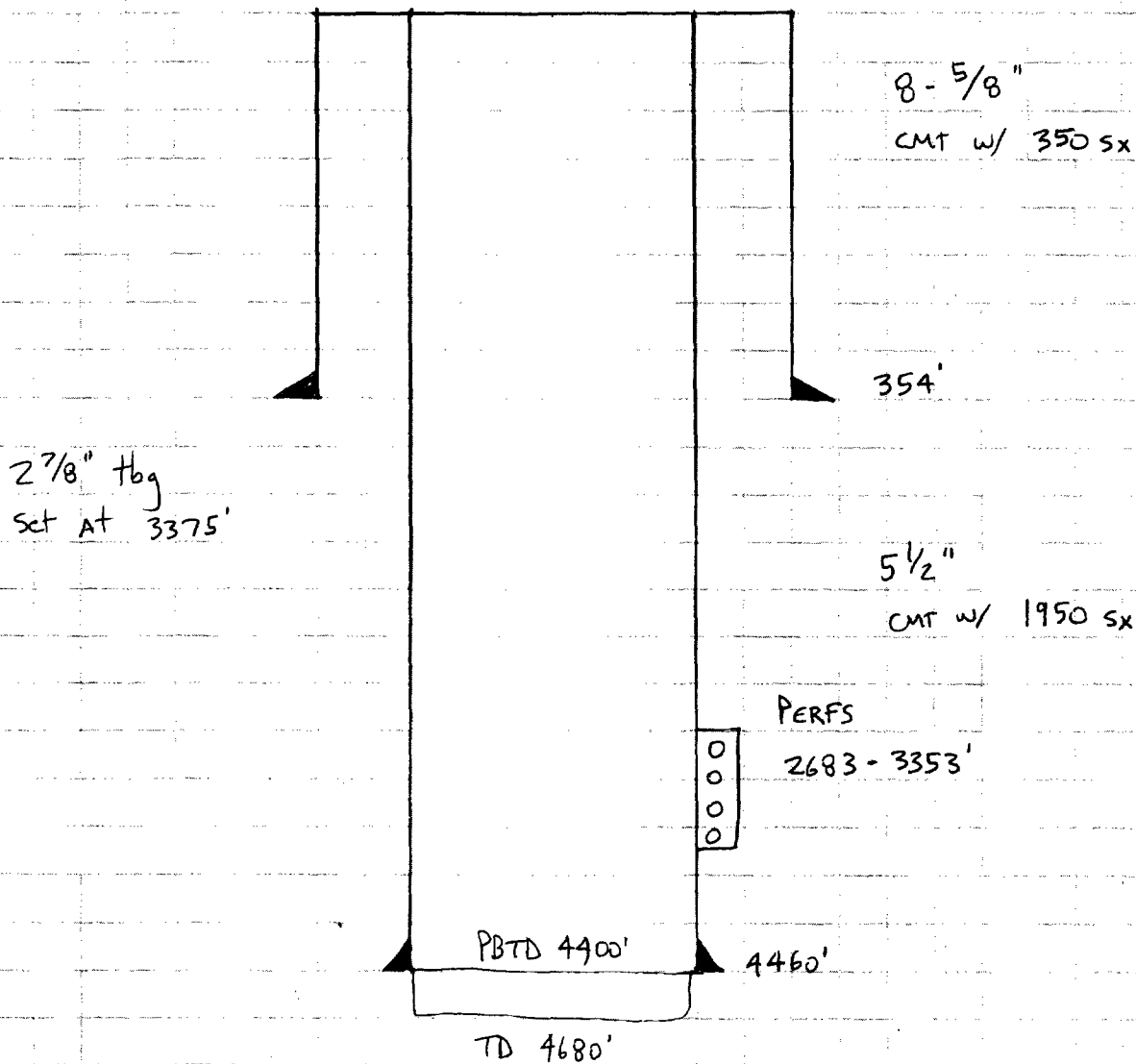
TB 4510'

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Date _____
By _____

MARBOB ENERGY
Grayburg - Jackson Field
Eddy County, NM

JMS 12-16-91

DODD "A" No. 40



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Date _____
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MARBOB ENERGY
Grayburg - Jackson Field
Eddy County, NM

JMS 12-16-91

DODD "A" No. 41

2 7/8" tbg
set @ 3322'

8-5/8
CMT w/ 175 sx

213'

5 1/2"
CMT w/ 2850 sx

PERFS

2630 - 3302'

PBTD 4612'

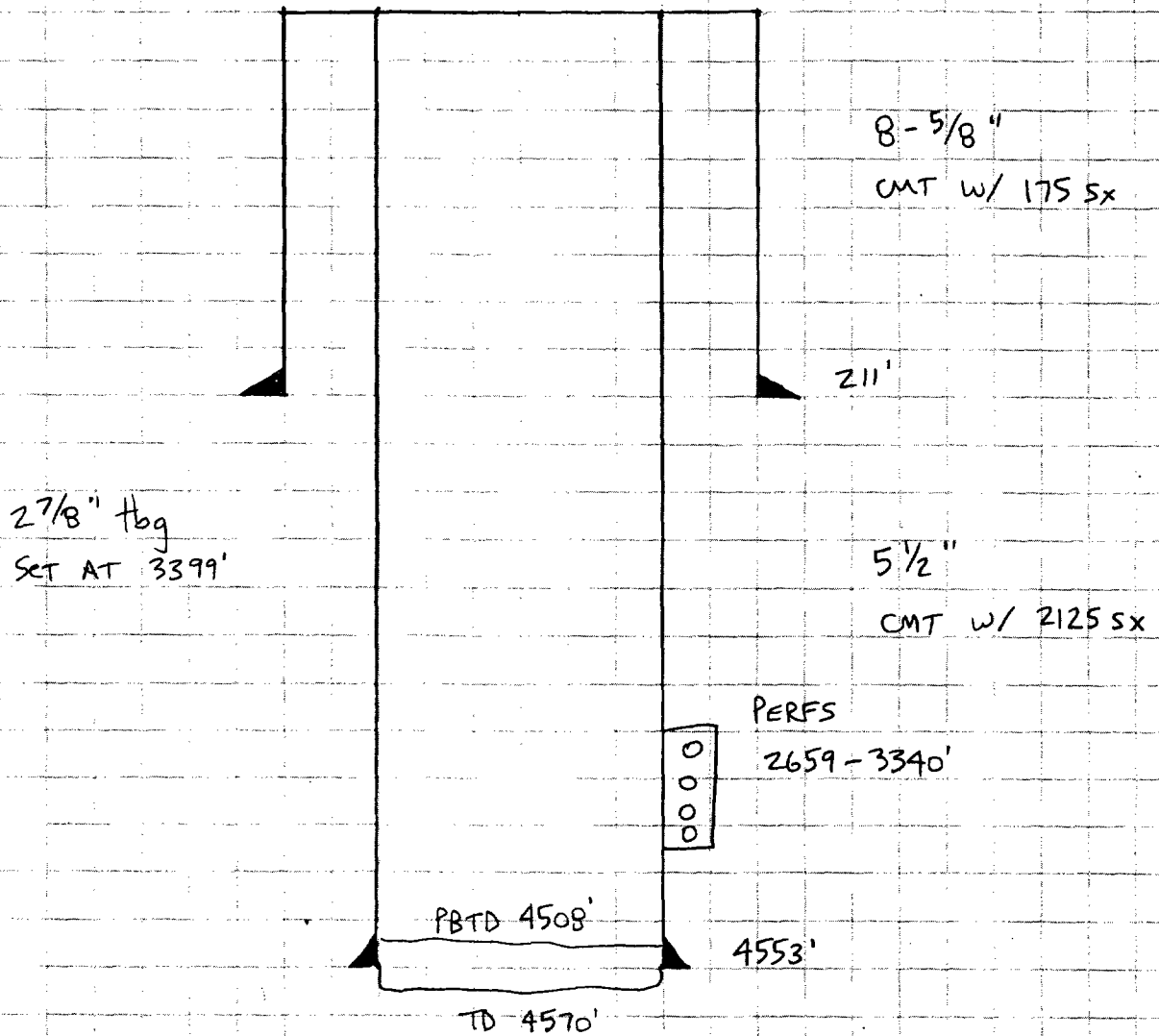
4640'

TD 4660'

MARBOB ENERGY
Grayburg - Jackson Field
Eddy County, NM

JMS 12-16-91

DODD "A" No. 42

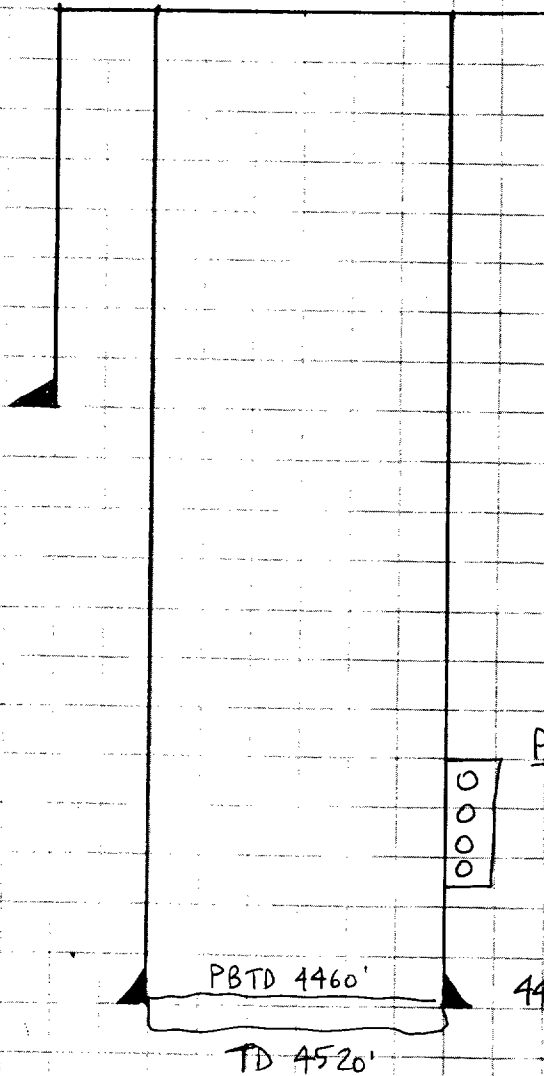


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MARBOB ENERGY
Grayburg - Jackson Field
Eddy County, NM

JMS 12-16-91

DODD "A" No. 44



8-5/8"

CMT W/ 225 SX

213'

5 1/2"

CMT W/ 2500 SX

PERFS

2658 - 3253'

0
0
0
0

PBTD 4460'

4461'

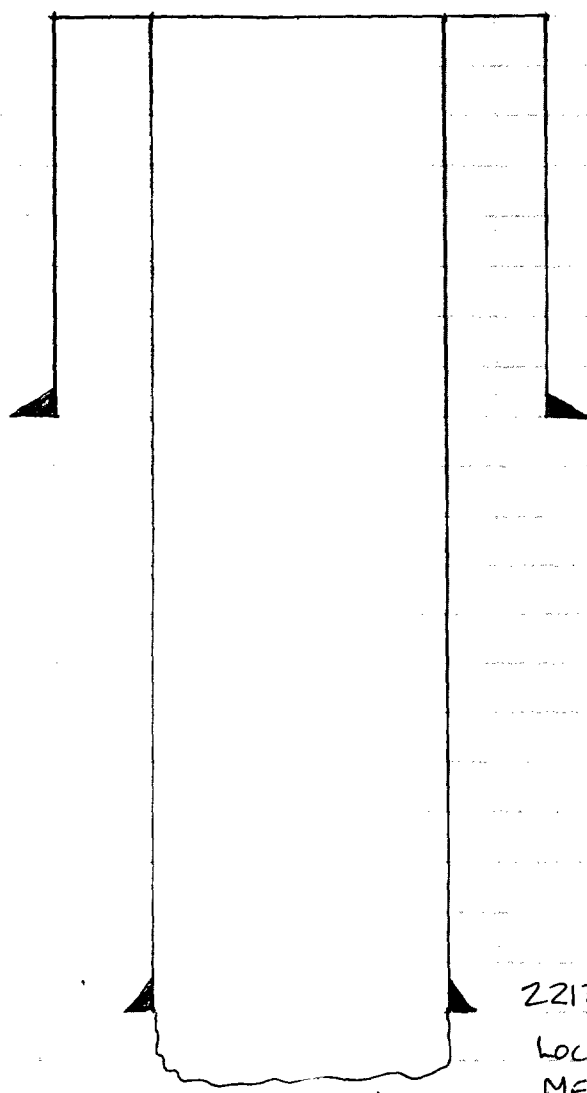
TD 4520'

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Date _____
By _____

BOYD + PLEMONS
Grayburg - Jackson Field
Eddy County, NM

JMS 12-16-91

CONTINENTAL - STATE NO. 2



8-5/8"
CMT w/ 50 SX

269'

7"
CMT w/ 40 SX

2213'
LOCO HILLS
METEX

TD 2403'

Page
Date
By

BOYD + PLEMONS
Grayburg - Jackson Field
Eddy County, NM

JMS 12-16-91

CONTINENTAL - State #3

8-5/8"
CMT w/ 25sx

7"
CMT w/ 100sx

2221'

Loco Hills, Metex, Jackson

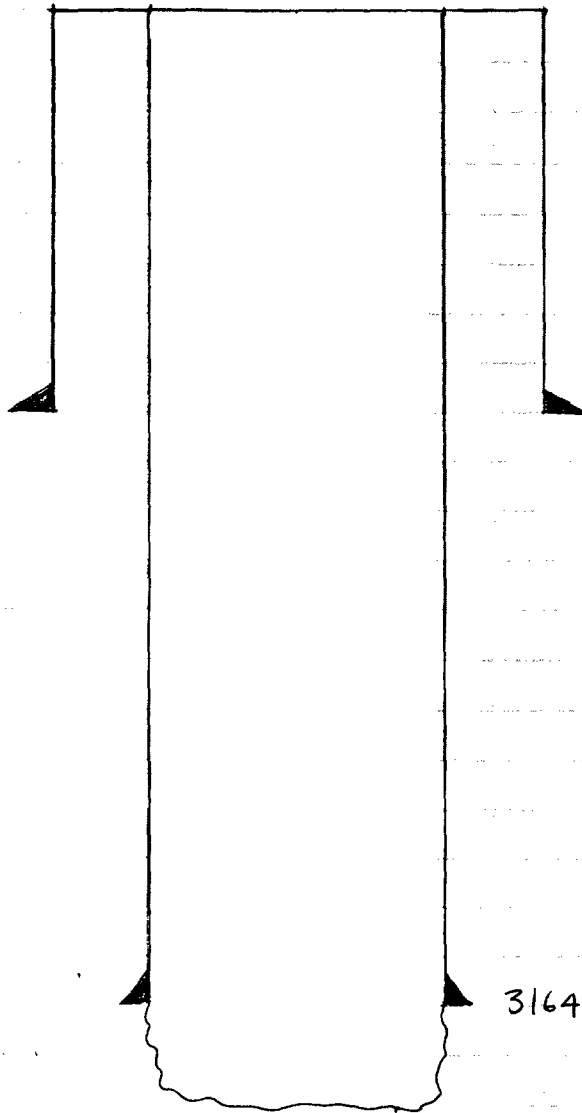
TD 2745'

Page _____
Date _____
By _____

BOYD + PLEMONS
Grayburg - Jackson Field
Eddy County, NM

JMS 12-16-91

CONTINENTAL - State # 4



8-5/8"
CMT w/ 50sx

5 1/2"
CMT w/ 170sx

3164'

KEELY

TD 3225'

Page _____
Date _____
By _____

Phillips Petroleum
Grayburg - Jackson Field
Eddy County, NM

JMS 12-16-91

KEELY "C" No. 57

2-3/8" Hbg
SCT AT 3406'

8-5/8"
CMT W/ 350 SX

325'

4 1/2"
CMT W/ 1980 SX

PERFS

0
0
0

2340- 3444

Metex
Jackson
Keely

PBTD 3460'

3503'

TD 3503'

Page _____
Date _____
By _____

Phillips Petroleum
Grayburg - Jackson Field
Eddy County, NM

JMS 12-16-91

KEELY "C" No. 56

2 3/8" Hg
SET AT 3433'

8-5/8"
CMT w/ 350 sx

340'

4 1/2"
CMT w/ 850 sx

PERFS

2374-3409' Metex
Jackson
Keely

PBTD 3460'

3507'

TD 3507'

Page _____
Date _____
By _____

Phillips Petroleum
Grayburg - Jackson Field
Eddy County, NM

JMS 12-16-91

KEELY "C" No. 27

2 3/8" H_{og}
set @ 3551'

8-5/8"
CMT w/ 300 SX

358'

5 1/2"
CMT w/ 1600 SX

PERFS
2384 - 3462'

PBTD 4175'

TD 4700'

4700'

Form 6-311
(May 1965)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED

Form approved
Bd. Geol. Bureau No. 42-R1424
CASE ORIGINATOR AND SERIAL NO.

628731-A

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen, or plug back to a different reservoir, or for such proposals.)

1. NAME OF OPERATOR Sunray Oil Company	7. UNIT ASSIGNMENT NAME -
3. ADDRESS OF OPERATOR P. O. Box 1018 - Roswell, New Mexico	8. FARM OR LEASE NAME M. Dodd "A"
4. LOCATION OF WELL (Report location clearly and in accordance with the State requirements. See also space 17 below.) At surface Tract B, 330' FSL, 1650' FWL	9. WELL NO. 1
14. PERMIT NO. 3536 DF	10. FIELD AND POOL, OR WILDCAT Grayburg - Jackson
	11. SEC., T., R., OR BLK. AND SURVEY OR AREA Sec. 22, T-17-S, R-29-E
	12. COUNTY OR PARISH Eddy
	13. STATE New Mexico

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO		SUBSEQUENT REPORT OF:	
TEST WELL SHUT-OFF	☐	REPAIRING WELL	☒
FRACURING TEST	☐	ALTERING Casing	☐
SHOOT OR ACTION	☐	ABANDONMENT*	☐
REPAIR WELL	☐		
(Other)	☐		

17. Describe purposes or completed operations, including dates, including estimated date of starting any proposed work. If well is directionally drilled, give a brief description of the well and true vertical depths for all markers and zones pertinent to this work.)

1. Move in and rig up workover rig.
2. Suggested out rods and tubing. Tubing parted at 1017 ft. Pulled rods and pump.
3. Run Brown over-shot (5-1/4") with 7" skirt. Stopped at 960'. Pulled over-shot out of hole.
4. Run 7" Impression block to 961'. Block showed that casing was collapsed.
5. Run 2-3/8 center spear to 962'. Unable to drive through.
6. Attempted to pull 8-5/8" casing. Unsuccessful.
7. Run 5-1/4" casing, swedge on 4, 4-3/4" EC and bumper sub.
8. Started swedging on 8-5/8" casing at 960'. Swedge went to 963' and went outside casing. Casing parted.
9. Attempted to pull casing again. Unsuccessful.
10. Run Baash-Ross casing cutter. Cut casing at 700'.
11. Attempted to pull. Unsuccessful.
12. Cut casing at 600'.
13. Attempted to pull. Unsuccessful.
14. Circulated water around casing. Good circulation.
15. Worked casing up hole approximately 20'. Stuck again.
16. Repair unsuccessful, prepare to P&A.

18. I hereby certify that the foregoing is true and correct

SIGNED *John Hastings* John Hastings

TITLE District Engineer

DATE 10-19-67

(This space for Federal or State office use)

APPROVED BY *[Signature]*
CONDITIONS OF APPROVAL, IF ANY:

DATE OCT 20 1967

*See Instructions on Reverse Side

351
30621

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.
5. LEASE IDENTIFICATION AND SERIAL NO.

028731-A

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

OIL WELL ☒ GAS WELL ☐ OTHER ☐

NAME OF OPERATOR

Sunray Oil Company

ADDRESS OF OPERATOR

P. O. Box 1416 - Roswell, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface

Unit N, 330' FSL, 1650' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, ST OR W.L.)

3536 DF

6. IF INDIAN, ALLOTTEE OR FARM LEASE

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

M. Dodd "A"

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Grayburg Jackson

11. SEC. T. R. S. M. OR BLM. AND SURVEY OR AREA

Sec. 22, T-17-S. 8-29-E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

ABANDONING OR ACIDIZING

(Other)

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

1. Prepare to P&A after unsuccessful attempt to repair casing.
2. Displace 200 ex cmt. down 8-5/8" prod. string and circulate cmt. to surface. WOC 8 hrs.
3. Displace 100 ex cmt. plug over open hole section 2993-2329.
4. Put 10 ex plug in surface and install marker.

OCT 24 AM 9 42

RECEIVED

OCT 20 1967

RECEIVED
OCT 20 1967
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

18. I hereby certify that the foregoing is true and correct

SIGNED *John Hastings* John Hastings

TITLE

District Engineer

DATE 10-19-67

(This space for Federal or State Review)

DISTRICT ENGINEER

APPROVED BY *[Signature]*
CONDITIONS OF APPROVAL IF ANY

TITLE

DATE OCT 20 1967

*See Instructions on Reverse Side

U.S. G.S. FORM 1000-1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved
Budget Bureau No. 42-21434

5. LEASE REGISTRATION AND CURE NO.
028731-A

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back or to otherwise alter a well. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Sunray DX Oil Company	8. FARM OR LEASE NAME M. Dodd A
3. ADDRESS OF OPERATOR P. O. Box 1414 - Roswell, New Mexico	9. WELL NO. 1
4. LOCATION OF WELL (Report location clearly and accurately with at least one landmark. See also space 17 below.) At surface Unit N. 330' FSL, 1850' FSL	10. FIELD AND POOL, OR WILDCAT Grayburg Jackson
11. PERMIT NO. 3336 OF	11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA Sec. 22, T-17-S, R-29-E
12. COUNTY OR PARISH Eddy	13. STATE New Mexico

14. Check Appropriate Box To Indicate Nature of Work, Report, or Other Data

REPORT OF INTENTION TO

CONSEQUENT REPORT OF:

TEST WATER (YOUTH)

FILL OR ABANDON

REPAIRING WELL

FRACURE TEST

REPAIR OR CHANGE

ALTERING Casing

SHOOT OR ACIDIZE

ABANDON

ABANDONMENT

REPAIR WELL

CHANGE FILL

(Other)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all proposed, actual, and completed operations, including estimated date of starting any proposed work. If well is directionally drilled give subsurface bearings and angles and give true vertical depths for all markers and some pertinent to this work.)

1. Displaced 100 ex regular cement down 4-5/8 production string. Circulated 25 ex (End) to surface. WOC 4 hours.
2. Displaced 100 ex cement plug over open hole section 2323-2329.
3. Placed 10 ex plug in top of casing at surface and inserted dry hole marker.
4. Cleaned up location.
5. Complete.

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DEC 2 1966

DEC 2 1966

INTERNAL USE

RECEIVED
NOV 1 1967
U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

18. I hereby certify that the foregoing is true and correct.

SIGNED: John Hastings

TITLE: District Engineer

DATE: 10-30-67

(This space for Federal or State office use)

APPROVED BY: [Signature]
CONDITIONS OF APPROVAL, IF ANY:

TITLE:

DATE:

APPROVED
10-27-67
H.L. [Signature]
DISTRICT ENGINEER

See Instructions on Reverse Side

RECEIVED

JAN 04 1983

5F

Form 9-331
Dec. 1972

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form Approved
Budget Bureau No. 42-R1424

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back in a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☒ gas well ☐ other ☐

2. NAME OF OPERATOR

Marbob Energy Corporation

3. ADDRESS OF OPERATOR

P.O. Dr. 217, Artesia, N.M. 88210

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 660 FSL 660 FSL

AT TOP PROD. INTERVAL: Same

AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON*

(other)

SUBSEQUENT REPORT OF:

5. LEASE

B/C-028731-A

8. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

M. Dodd "A"

9. WELL NO.

4

10. FIELD OR WILDCAT NAME

Gibby Jackson On SA

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 22-17S-29E

12. COUNTY OR PARISH

Eddy

13. STATE

N.M.

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
1567' DF

NOTE: Report results of multiple completion or zone change on Form 9-330.

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

12/27/82 Moved in pulling unit, pulled tubing & rods, ran new setting tubing, rods, changed pump, cleaned well out, put on production. Well produced 5 bbl. oil in 24 hours

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct.

SIGNED *Anthony J. Smead*

Production Clerk

DATE 1/3/83

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY

TITLE

DATE

22-17-29

S-T-R

Eddy

Maybourn-Keeley

Six

8

28. @

FORMATION RECORD
T
Elev.

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1

1

1

1	2
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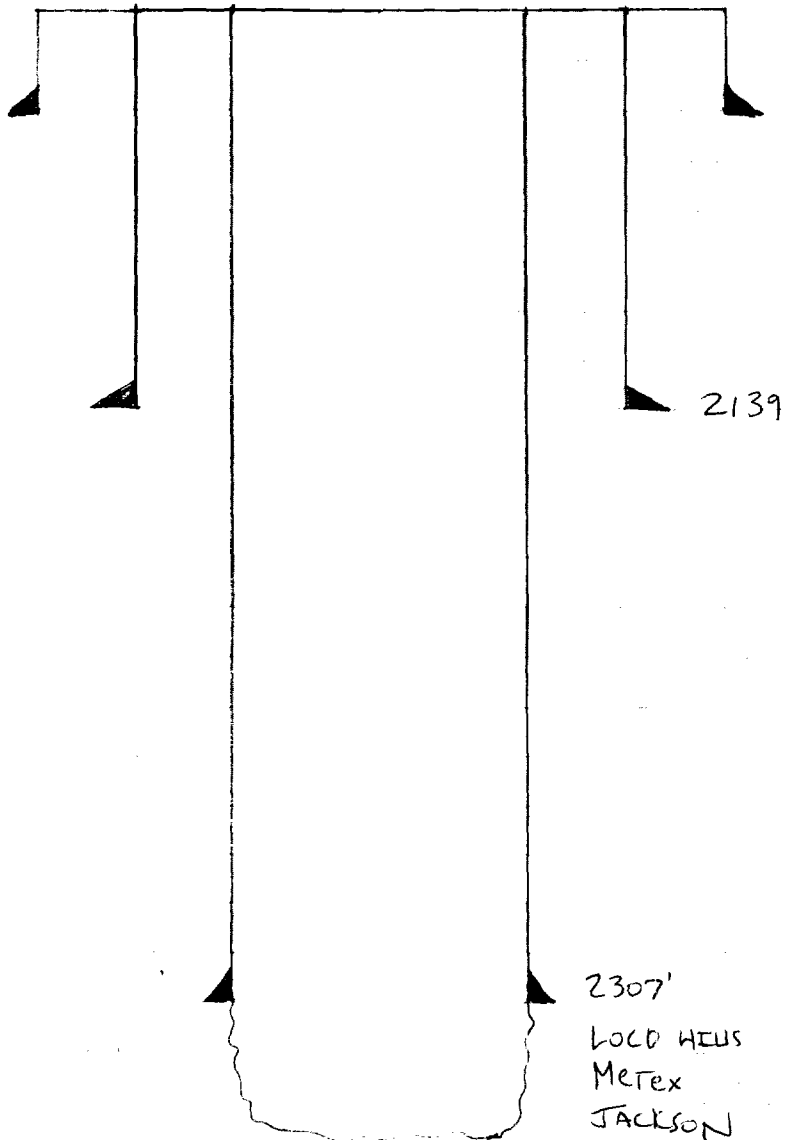
Page
Date
By

MCCAN J. PROD.
BARNSDALE
Grayburg - Jackson Field
Eddy County, NM

JMS 12-16-91

DODD #1

295



MERIDIAN OIL

RECEIVED
OIL CONSERVATION DIVISION
JAN 13 1992
10 17

January 10, 1992

Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87501

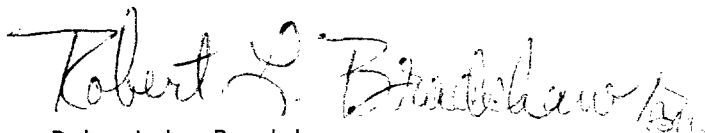
Re: Southland Royalty Company
RJU Tr. 2A Well No. 2
Unit B, Sec 27, T17S, R29E
Eddy County, New Mexico
LC-028775-B

Gentlemen:

Form C-108 and attachments requesting authorization to convert the above referenced well to water injection for secondary recovery were sent to you on December 20, 1991. Attached is proof that a copy of the application has been sent to operators within 1/4 mile and the required legal notice has been published in a local newspaper.

If other information is needed prior to your approval of our request, please contact me at (915) 688-6836.

Sincerely,



Robert L. Bradshaw
Sr. Staff Environmental Representative

RLB/cm

cc: Well file
Joe Small
OCD - Artesia
BLM - Carlsbad

Affidavit of Publication

No. 13784

STATE OF NEW MEXICO,

County of Eddy:

Gary D. Scott being duly sworn, says: That he is the Publisher of The Artesia Daily Press, a daily newspaper of general circulation, published in English at Artesia, said county and state, and that the hereto attached Legal Notice

was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of

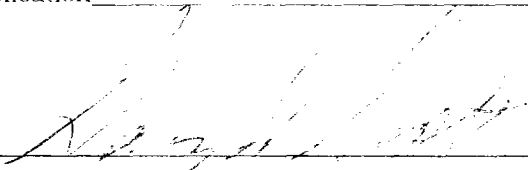
the state of New Mexico for 1 days consecutive weeks on the same day as follows:

First Publication December 26, 1991

Second Publication _____

Third Publication _____

Fourth Publication _____


Subscribed and sworn to before me this 6th day of January 19 92

Notary Public, Eddy County, New Mexico

My Commission expires September 23, 1996

Copy of Publication

LEGAL NOTICE

Southland Royalty proposes to convert the RJU Tr. 2A-466. 2 to water injection for ~~secondary~~ recovery of oil. The well is located 660' FNL and 1980' FEL, Section 27, T17S, R29E in Eddy County, New Mexico. Injection is proposed into the San Andres at 3236 ~~surface~~ at a maximum rate of 1000 ~~OPD~~ and a maximum pressure of 2000 psi.

Interested parties must file objections or requests for hearing with the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

Published in the Artesia Daily Press, Artesia, New Mexico, December 26, 1991.

Legal 13784

RECEIVED
SOUTHLAND ASSOCIATION
91 JAN -3 PM12:05

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check boxes for additional services requested.
Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)

Addressed to:
Newport Energy Corp.
Drawer 217
Maid, N.M. 88210
Article Number
P154 362 240
Type of Service:
☐ Registered ☐ Insured
☐ Certified ☐ COD
☐ Express ☒ Return Receipt for Merchandise
Always obtain signature of addressee or agent and DATE DELIVERED.
8. Addressee's Address (ONLY if requested and fee paid)

Signature - Agent
Mike McElung
Date of Delivery
12-24-91
Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-615 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check boxes for additional services requested.
Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)

Addressed to:
Gold Operating Co.
Drawer 217
Maid, N.M. 88210
Article Number
P154 362 238
Type of Service:
☐ Registered ☐ Insured
☐ Certified ☐ COD
☐ Express Mail ☒ Return Receipt for Merchandise
Always obtain signature of addressee or agent and DATE DELIVERED.

Signature - Agent
12-26-91
Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-615 DOMESTIC RETURN RECEIPT

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
Address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check boxes for additional services requested.
Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)

Addressed to:
Phillips Petroleum Co.
4001 Paulbrook
Olema, Texas 79762
Article Number
P154 362 239
Type of Service:
☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☒ Return Receipt for Merchandise
Always obtain signature of addressee or agent and DATE DELIVERED.

Signature - Addressee
RSU 722A #2
Signature
12-30-91
Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-615 DOMESTIC RETURN RECEIPT

PS Form 3811, Apr. 1989 *U.S.G.P.O. 1989-238-615 DOMESTIC RETURN RECEIPT

Schlumberger

COMPENSATED NEUTRON LOG

COUNTY **EDDY**
FIELD or LOCATION **GRAYBURG-JACKSON**
WELL **ROBINSON-JACKSON UNIT TR. 2A WELL #2**
COMPANY **SHENANDOAH OIL**

COMPANY **SHENANDOAH OIL CORPORATION**

WELL **ROBINSON-JACKSON UNIT TR. 2A WELL**

FIELD **GRAYBURG-JACKSON**

COUNTY **EDDY** STATE **NEW MEXICO**

Location: **660' FNL & 1980' FEL,**

Other Services:
NONE

Sec. **27** Twp. **17-S** Rge. **29-E**

Permanent Datum: **G.L.**; Elev.: **3550**
Log Measured From **G.L.**, **0** Ft. Above Perm. Datum
Drilling Measured From **G.L.**

Elev.: K.B. _____
D.F. _____
G.L. **3'**

Date	9-3-74				
Run No.	ONE				
Depth-Driller	3287				
Depth-Logger	3282				
Btm. Log Interval	3284				
Top Log Interval	1782				
Casing-Driller	5 1/2 @ NA	@	@	@	@
Casing-Logger					
Bit Size					
Type Fluid in Hole	FRESH WATER				
Fluid Level	1500				
Dens.	Visc.				
pH	Fluid Los	ml	ml	ml	
Source of Sample					
R ₁ @ Meas. Temp.	@	°F	@	°F	@
R ₂ @ Meas. Temp.	@	°F	@	°F	@
R ₃ @ Meas. Temp.	@	°F	@	°F	@
Source: R _{mf}	R _{mc}				
@ BHT	@	°F	@	F	@
Time Since Circ.					
Max. Rec Temp.		°F	F	F	
Sup. Location	7679	HOBBS			
Recorded By	CREEK				