

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator Getty Oil Company		Lease Jicarilla "B"		Well No. 19
Unit Letter N	Section 31	Township 25N	Range 5W	County Rio Arriba

Actual Footage Location of Well:

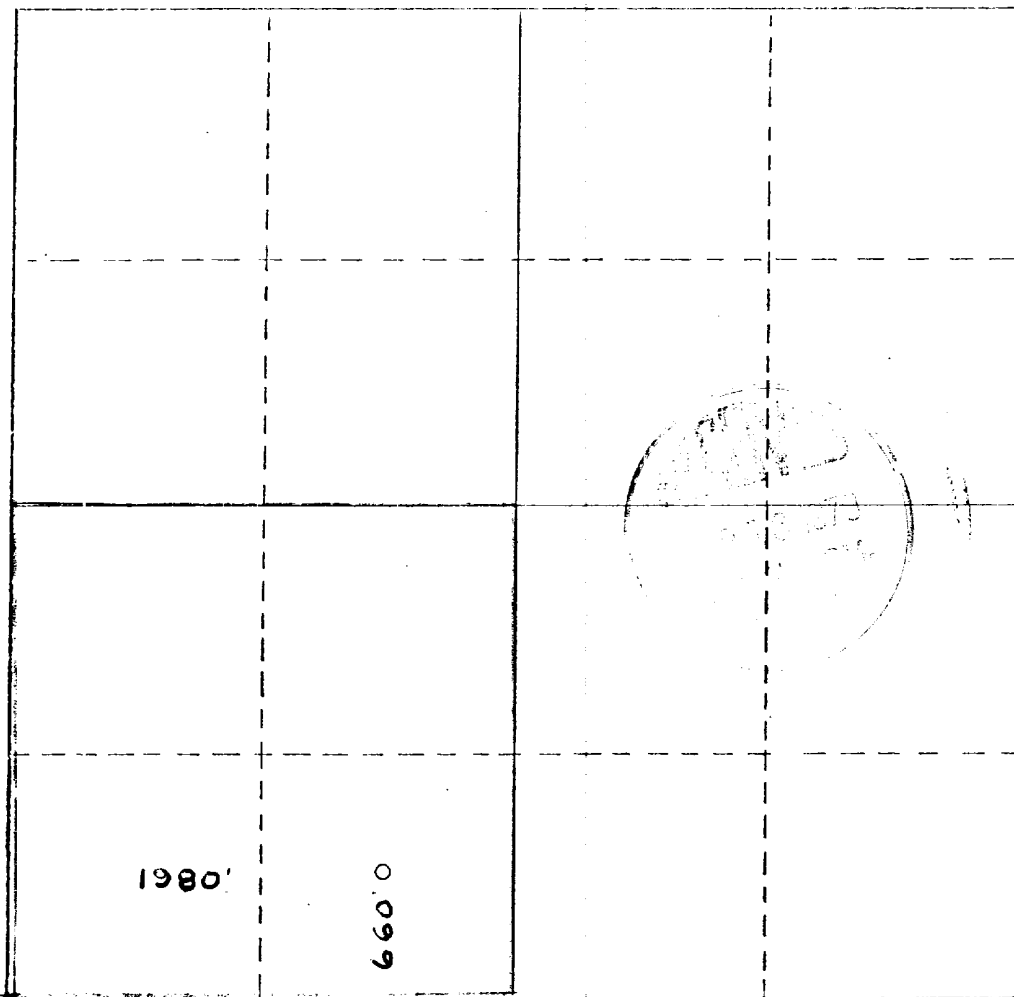
660 feet from the South		Line and	1980 feet from the West	Line
Ground Level Elev. 6744'	Underlying Formation Pictured Cliffs	Pool Ballard	Dedicated Acreage: 160 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) _____

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name
J. E. Carb
Position
Area Superintendent
Company
Getty Oil Company
Date
3-13-79

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

Registered Professional Engineer
and/or Lead Surveyor

Certificate No.

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

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

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

Cont. #68

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla "B"

9. WELL NO.

19

10. FIELD AND POOL, OR WILDCAT

Ballard Pictured Cliffs

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

Sec. 31-25N-5W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

19. ELEV. CASINGHEAD

-

23. INTERVALS DRILLED BY

0-6150

ROTARY TOOLS

None

25. WAS DIRECTIONAL SURVEY MADE

No

27. WAS WELL CORED

No

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐2. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☒ DIFF. RESVR. ☐ Other ☐

3. NAME OF OPERATOR

Getty Oil Company

4. ADDRESS OF OPERATOR

Box 3360, Casper, WY 82602

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 660' FSL, 1980' FWL, Sec. 31-25N-5W

At top prod. interval reported below

At total depth Same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

12-30-58

16. DATE T.D. REACHED

1-16-59

17. DATE COMPL. (Ready to prod.)

1-26-59 2-26-79

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

6744' GR 6753' DF

20. TOTAL DEPTH, MD & TVD

6150'

21. PLUG BACK T.D., MD & TVD

2700'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*

2615' - 2630' - Pictured Cliffs

26. TYPE ELECTRIC AND OTHER LOGS RUN

Induction Elec. Log and Sonic Log

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
10-3/4"	32.75	314'	13-3/4"	300 sks.	None
5-1/2"	15.5	6149'	8-5/8"	750 sks.	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	2629'	-

31. PERFORATION RECORD (Interval, size and number)

2615'-30'; .43" Dia - 10 shots

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2615'-30'	10,500# 20/40 sd., 71,500# 10/20 sd. & 39,000 gals. gelled water.

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)					WELL STATUS (Producing or shut-in)	
3-7-79		Flowing					Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
3-7-79	3	3/4"	→	0	64			
FLOW TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.			
27 psi	53 psi	→	0					

RECEIVED

MAR 15 1979

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Shut in waiting for pipeline connection.

35. LIST OF ATTACHMENTS

Acreage dedication plat and form C-122.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

D. E. Cab

TITLE

Area Superintendent

DATE

3-13-79

*(See Instructions and Spaces for Additional Data on Reverse Side)

RECEIVED

MAR 15 1979

TEST WITNESSED BY
Paul Berhost
U. S. GEOLOGICAL SURVEY
DURANGO, COLO.RECEIVED
MAR 16 1979
OIL CON. COM.
DIST. 3

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING 38. DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH
Pictured Cliffs	2615'	2630'	NOTE: This well was originally drilled & completed in the Gallup formation as an oil well in 1959. Well has been shut in since 2-1-65. Well was plugged back to Pictured Cliffs as follows: Pumped 100 sks. cement in Gallup Perfs. at 5982'-6080' - Set CI BP at 3725' w/3 sks. cement on top - Perforated Chacra 3470'-3580' - No gas recovered. Set CI BP at 2750' w/3 sks. cement on top of plug. Re-completed in Pictured Cliffs.		

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date March 7-79				
Company Cetty Oil Company				Connection Not Connected					
Pool Ballard				Formation Pictured Cliffs					Unit
Completion Date February 26-79		Total Depth 6150		Plug Back TD 2700		Elevation 6744		Farm or Lease Name Jicarilla "B"	
Req. Size 5.500	Wt. 15.50	d 1.950	Set At 6149	Perforations: From 2615 To 2630		Well No. 19			
Req. Size 2.375	Wt. 4.7	d 1.995	Set At 2629	Perforations: From Open To ended		Unit Sec. Twp. Rge. N 31 - 25N - 5W			
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Single					Packer Set At		County Rio Arriba		
Producing Thru tubing		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L 2629	H 2629	Gg .705	% CO ₂	% N ₂	% H ₂ S	Prover 2.000	Meter Run	Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							617		785		168 HrSI
1.	2.000	X	.750				39		78		1st Hr
2.	2.000	X	.750				32		62		2nd Hr
3.	2.000	X	.750				27		53		3rd Hr
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11.00		51	1.000	1.191	1.000	668
2.	11.00		44	1.000	1.191	1.000	576
3.	11.00		39	1.000	1.191	1.000	511
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 797	P _c ² 635209	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0070$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0067$	
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3	1521	65	4225	630984
4				
5				

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 514$

Absolute Open Flow 514 Mcfd @ 15.025 Angle of Slope 85

Remarks:

Approved By Commission:	Conducted By: Paul D. Berhost	Calculated By: Paul D. Berhost	Checked By: R.P. Hergenreter
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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Cont. #68

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla "B"

9. WELL NO.

19

10. FIELD AND POOL, OR WILDCAT

Ballard Pictured Cliffs

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

Sec. 31-25N-5W

12. COUNTY OR PARISH 13. STATE

Rio Arriba

NM

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.)1. ☐ OIL
WELL ☐ GAS
WELL ☒ OTHER

2. NAME OF OPERATOR

Getty Oil Company

3. ADDRESS OF OPERATOR

Box 3360, Casper, WY 82602

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

660' FSL, 1980' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6744' GR 6753' DF

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 COMPLETION ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐Plug Back ☒(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)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 perti-
nent to this work.)*2-10-79 - Ran Baker cement retainer set in 5 1/2" OD casing at 5885'. Pumped 100 sks.
cement in Gallup Formation through perforation at 5982'-6080'.2-11-79 - Set CI BP at 3725' dumped 3 sks. cement on top of BP. Perforated Chacra at
3470'-3580' 20 shots.2-12-79 - Treated perforations 3470'-3580' with 41,500# 10/20 sand and 70 quality foam.
Flushed with 500,000 cu. ft. nitrogen and 183 bbls. KCL water.

2-12-79 to

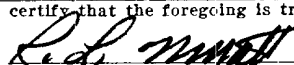
2-19-79 - Swabbed and tested Chacra formation, no gas recovered.

2-20-79 - Set CI BP at 2750', dumped 3 sks. cement on top of plug. PBTD 2700' -
perforated Pictured Cliffs formation 2615'-2630' with 10 shots.

(over)

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

SIGNED



TITLE Administrative Assistant

DATE 4/19/79

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed as indicated on Form 1 and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

G.P.O. : 1973- 780-622 /VIII- 148

2-21-79 - Treated P.C. perforation 2615'-30' with 10,500# 20/40 sd.,
71,500# 10/20 sd. and 39,000 gals. gelled water.

3-8-79 - Ran AOF: 7 days SICP 785 psi, SITP 617 psi, flowed 3 hours,
3/4" choke, FTP 27 psi FEP 53 ps. CAOF of 514 MCFD.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Cont. #68

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Jicarilla "B"

9. WELL NO.

19

10. FIELD AND POOL, OR WILDCAT

Ballard Pictured Cliffs

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

Sec. 31-25N-5W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

1. ☐ OIL WELL ☐ GAS WELL ☒ OTHER
2. NAME OF OPERATOR
Getty Oil Company
3. ADDRESS OF OPERATOR
Box 3360, Casper, WY 82602
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface
660' FSL, 1980' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6744' GR 6753' DF

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 ☐

Abandon Chacra Zone

☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐

(Other)

REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

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.)*

2-11-79 - Set CI BP in 5-1/2" OD casing at 3725' dumped 3 sks. cement on top BP.
Perforated Chacra formation at 3470' - 3580' with 20 shots.

2-12-79 - Treated Chacra formation through perms 3470' - 3580' with 41,500# 10/20 sd.
and 70 quality foam. Flushed with 500,000 cu. ft. and 183 bbls, KCL water.
Swabbed and tested Chacra, no gas recovered.

We plan to set CI BP at 2750' with 3 sks. cement on top of BP and attempt
to complete in the Pictured Cliffs formation.



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

SIGNED

TITLE Administrative Assistant

DATE 4/19/79

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

Okal

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

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Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

NO. OF COPIES RECEIVED	
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FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
OPERATOR	2
PROBATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-114
Supersedes Old C-104 and C-
Effective 1-1-65

Operator
Getty Oil Company

Address
Box 3360, Casper, WY 82602

Reason(s) for filing (Check proper box)

New Well ☐ Change in Transporter of:
Recompletion ☒ Oil ☐ Dry Gas ☐
Change in Ownership ☐ Casinghead Gas ☐ Condensate ☐

Other (Please explain)

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Jicarilla "B"	Well No. 19	Pool Name, including formation Ballard So. Blanco P.C.	Kind of Lease State, Federal or Fee Fed. Cont.	Lease No. #68
Location Unit Letter N 660 Feet From The South Line and 1980 Feet From The West Line of Section 31 Township 25N Range 5W, NMPM, Rio Arriba County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☐	Address (Give address to which approved copy of this form is to be sent)					
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent)					
El Paso Natural Gas	Box 990, Farmington, N. M.					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
					No	-

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resv.	Diff. Resv.
		X		X		X		X
Date Spudded W.O. 2-11-79	Date Compl. Ready to Prod. 3-7-79		Total Depth 6149'		P.B.T.D. 2700'			
Elevations (DF, RKB, RT, CR, etc.)	Name of Producing Formation P.C.		Top Oil/Gas Pay		Tubing Depth			
Perforations 2615-30'					Depth Casing Shoe			

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D 514	Length of Test 24 hrs.	Bbls. Condensate/MMCF 0	Gravity of Condensate 0
Testing Method (pilot, back pr.) Back Press.	Tubing Pressure (Shut-in) 617 psi	Casing Pressure (Shut-in) 785 psi	Choke Size 3/4"

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

L. J. Myatt
(Signature)
Area Supt. Admiral Dist
(Title)
8/24/79
(Date)

OIL CONSERVATION COMMISSION

APPROVED 8/24/79, 19
BY Original Sign. J. L. Kinnick
TITLE SE

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviated tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiple completed wells.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other Instructions on reverse side)

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 to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER		5. LEASE DESIGNATION AND SERIAL NO. Cont. #68
2. NAME OF OPERATOR Getty Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla Apache
3. ADDRESS OF OPERATOR Box 3360, Casper, WY 82602		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 660' FSL, 1980' FWL		8. FARM OR LEASE NAME Jicarilla "B"
11. PERMIT NO.		9. WELL NO. 19
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6744' GR 6753' DF		10. FIELD AND POOL, OR WILDCAT Ballard Pictured Cliffs
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 31-25N-5W
		12. COUNTY OR PARISH Rio Arriba
		13. STATE NM

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐	PULL OR ALTER CASING ☐
FRACTURE TREAT ☐	MULTIPLE COMPLETION ☐
SHOOT OR ACIDIZE ☐	ABANDON* ☐
REPAIR WELL ☐	CHANGE PLANS ☐
(Other) ☐	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐	REPAIRING WELL ☐
FRACTURE TREATMENT ☐	ALTERING CASING ☐
SHOOTING OR ACIDIZING ☐	ABANDONMENT* ☐
(Other) ☐ Plug Back	

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

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.)*

2-10-79 - Ran Baker cement retainer set in 5 1/2" OD casing at 5885'. Pumped 100 sks. cement in Gallup Formation through perforation at 5982'-6080'.

2-11-79 - Set CI BP at 3725' dumped 3 sks. cement on top of BP. Perforated Chacra at 3470'-3580' 20 shots.

2-12-79 - Treated perforations 3470'-3580' with 41,500# 10/20 sand and 70 quality foam. Flushed with 500,000 cu. ft. nitrogen and 183 bbls. KCL water.

2-12-79 to

2-19-79 - Swabbed and tested Chacra formation, no gas recovered.

2-20-79 - Set CI BP at 2750', dumped 3 sks. cement on top of plug. PBSD 2700' - perforated Pictured Cliffs formation 2615'-2630' with 10 shots.

APPROVED

APR 25 1979

CARL A. BARRICK
ACTING DISTRICT ENGINEER

(over)

RECEIVED
APR 12 1984
CON. DIV.
PETS

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

SIGNED *C. A. Barrick*

TITLE Administrative Assistant

DATE 4/19/79

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

G.P.O. : 1973- 780-622 /VIII- 148

2-21-79 - Treated P.C. perforation 2615'-30' with 10,500# 20/40 sd.,
71,500# 10/20 sd. and 39,000 gals. gelled water.

3-8-79 - Ran AOF: 7 days SICP 785 psi, SITP 617 psi, flowed 3 hours,
3/4" choke, FTP 27 psi FEP 53 ps. CAOF of 514 MCFD.

RECEIVED

NO. OF COPIES RECEIVED		
DISTRIBUTION		
SANTA FE		
FILE		
U.S.G.S.		
LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRORATION OFFICE		

NEW MEXICO OIL CONSERVATION COMMISSION
REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes Old C-104 and C-110
Effective 1-1-65

I. Operator
Texaco Inc., Operator for Texaco Producing Inc. (TPI)
Address
4601 DTC Blvd., Denver, CO 80237
Reasons for filing (Check proper box)
New Well ☐ Change in Transporter of:
Recompletion ☐ Oil ☐ Dry Gas ☐
Change in Ownership ☐ Casinghead Gas ☐ Condensate ☒
Other (Please explain)
Change of Operator from Getty Oil Company to Texaco Inc. (Operator for TPI)
If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Jicarilla B	Well No. 19	Pool Name, including Formation Pictured Cliffs	Kind of Lease State, Federal or Fee Ind.	Lease No. Contr 68
Location Unit Letter * N : 660 Feet From The South Line and 1980 Feet From The West Line of Section 31 Township 25N Range 5W NMFM, Rio Arriba County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒ Permian Corporation	Address (Give address to which approved copy of this form is to be sent) P.O. Box 1528, Denver, Colorado 80201			
Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☒ El Paso Natural Gas Co.	Address (Give address to which approved copy of this form is to be sent) P.O. Box 990, Farmington, NM 87499			
If well produces oil or liquids, give location of tanks.	Unit N	Sec. 31	Twp. 25N	Rge. 5W
	Is gas actually connected?		When	
	Yes			

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RI, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT		

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

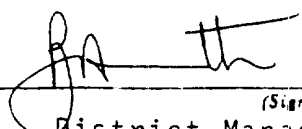
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

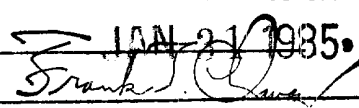
Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF/D	Gravity of Condensate
Testing Method (pump, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.


(Signature)
District Manager/Farmington
(Title)
1/28/85
(Date)

OIL CONSERVATION COMMISSION

APPROVED  JAN 21 1985
BY
TITLE SUPERVISOR DISTRICT # 3

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply completed wells.

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-104
Revised 1-1-89
See Instructions
at Bottom of Page

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator Texaco Exploration and Production Inc.	Well API No. 30 039 05708
Address 3300 North Butler Farmington, New Mexico 87401	
Reason(s) for Filing (Check proper box) ☒ Other (Please explain) EFFECTIVE 6-1-91	
New Well ☐	Change in Transporter of: Oil ☐ Dry Gas ☐
Recompletion ☐	Casinghead Gas ☐ Condensate ☐
Change in Operator ☒	
If change of operator give name and address of previous operator Texaco Inc. 3300 North Butler Farmington, New Mexico 87401	

II. DESCRIPTION OF WELL AND LEASE

Lease Name JICARILLA B	Well No. 19	Pool Name, Including Formation BALLARD PICTURED CLIFFS (GAS)	Kind of Lease State, Federal or Fee INDIAN	Lease No. 366410
Location Unit Letter N : 660 Feet From The SOUTH Line and 1980 Feet From The WEST Line Section 31 Township 25N Range 5W, NMPM, RIO ARRIBA County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil Meridian Oil, Inc. ☐ or Condensate ☒	Address (Give address to which approved copy of this form is to be sent) P. O. Box 4289 Farmington, NM 87499-4289					
Name of Authorized Transporter of Casinghead Gas El Paso Natural Gas Company ☐ or Dry Gas ☒	Address (Give address to which approved copy of this form is to be sent) P. O. Box 990 Farmington, NM 87499					
If well produces oil or liquids, give location of tanks.	Unit N	Sec. 31	Twp. 25N	Rge. 5W	Is gas actually connected? YES	When? 10/16/79

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

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded	Date Compl. Ready to Prod.		Total Depth			P.B.T.D.		
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation		Top Oil/Gas Pay			Tubing Depth		
Perforations						Depth Casing Shoe		
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET			SACKS CEMENT		

V. TEST DATA AND REQUEST FOR ALLOWABLE

OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

OIL CON. DIV.

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature K. M. Miller
K. M. Miller Div. Ops. Engr.
Printed Name
March 28, 1991 Title
915-688-4834
Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved JUN 06 1991
By [Signature]
Title SUPERVISOR DISTRICT #3

INSTRUCTIONS: This form is to be filed in compliance with Rule 1104

- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
- 2) All sections of this form must be filled out for allowable on new and recompleted wells.
- 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
- 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88241-1980
DISTRICT II
P.O. Box Drawer DD, Artesia, NM 88211-0719
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-104
Revised February 10, 1999
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

1 Operator Name and Address FOUR STAR OIL AND GAS COMPANY 330C N. Butler Ave., Suite 100 Farmington NM 87401		2 OGRID Number 131994
3 Reason for Filing Code CH		
4 API Number 3003905708	5 Pool Name BALLARD PICTURED CLIFFS (GAS)	6 Pool Code 71439
7 Property Code 011169	8 Property Name JICARILLA B	9 Well No. 19

II. 10 Surface Location

Ul or lot no. N	Section 31	Township T25N	Range R05W	Lot. Idn.	Feet From The	North/South Line	Feet From The	East/West Line	County
					660	SOUTH	1980	WEST	RIO ARRIBA

11 Bottom Hole Location

Ul or lot no.	Section	Township	Range	Lot. Idn.	Feet From The	North/South Line	Feet From The	East/West Line	County
12 Lse Code J	13 Producing Method Code	14 Gas Connection Date	15 C-129 Permit Number	16 C-129 Effective Date	17 C-129 Expiration Date				

III. Oil and Gas Transporters

18 Transporter OGRID 014538	19 Transporter Name and Address MERIDIAN OIL, INC. 3535 E. 30th, Farmington NM	20 POD 2518010	21 O/G O	22 POD ULSTR Location and Description N 31 25N/05W
007056	EL PASO NATURAL GAS P.O. Box 990, Farmington NM	2518030	G	N 31 25N/05W
09018	GIANT REFINING COMPANY P.O. BOX 12999 SCOTTSDALE, AZ 85267			

IV. Produced Water

23 POD 2518050	24 POD ULSTR Location and Description N 31 25N/05W
-------------------	---

V. Well Completion Data

25 Spud Date	26 Ready Date	27 Total Depth 6150	28 PBDT 2700	29 Perforations 2615'-2630'
30 HOLE SIZE	31 CASING & TUBING SIZE 10 3/4" 5-1/2"	32 DEPTH SET	33 SACKS CEMENT 314 300 SX 0 6149 750 SX	

VI. Well Test Data

34 Date New Oil	35 Gas Delivery Date	36 Date of Test	37 Length of Test	38 Tubing Pressure	39 Casing Pressure
40 Choke Size	41 Oil - Bbls.	42 Water - Bbls.	43 Gas - MCF	44 AOF	45 Test Method

46 I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature Ted A. Tipton
Printed Name Ted A. Tipton
Title Operating Unit Manager
Date 5/4/95 Telephone 325-4397

OIL CONSERVATION DIVISION

Approved By: 37.8
SUPERVISOR DISTRICT #3

Title: _____
Approval Date: JUL 31 1995

47 If this is a change of operator fill in the OGRID number and name of the previous operator

022364 - TEXACO E. & P., INC.

Previous Operator Signature Ted A. Tipton Operating Unit Manager 5/4/95
Printed Name Title Date

12-29-58

F. Loc. 660/S; 1980/W Elev. 5732 RF Spd. 12-30 33 Comp. 1.2 TD 6150 PB 6100
 Casing S. 10 3/4 @ 314 W 300 St. Int. @ W Sx Pr. 1/2 @ 44 H. 150 Sx. T. 2 6081
 Csg. Perf. 5982-6081 Prod. Stim. SCF

I.P. 163 BO/D MCF/D After His SICP PS: After Days GOR 41.7 1st Del. 1-26 S.I.

TOPS		NITD	X	Well Log	TEST				DATA		
Kirtland		C-102		Print	Schd.	PC	Q	PW	PD	D	Ref. No.
Fruitland		C-103	✓	Electric Log	DATE	GOR	BELS	DATE	GOR	BELS	Sch.
Pictured Cliffs	<u>2601</u>	C-104	✓	C-110	<u>1-59</u>						
Cliff House	<u>4160</u>				<u>2/1/59</u>	<u>2486</u>	<u>62</u>	<u>6/25</u>	<u>S.I.</u>		
Menefee	<u>4260</u>	Ditr		Ditr	<u>7/25/60</u>	<u>2193</u>	<u>35</u>	<u>7/76</u>	<u>S.I.</u>		
Point Lookout	<u>4815</u>	Datr		Datr	<u>9/12/60</u>	<u>3271</u>	<u>22</u>	<u>7/77</u>	<u>S.I.</u>		
Mancos	<u>5025</u>				<u>1/18/61</u>	<u>4757</u>	<u>14</u>	<u>7/78</u>	<u>S.I.</u>		
Gallup	<u>5936</u>	TA-6/1/77			<u>5/27/62</u>	<u>12233</u>	<u>3</u>				
Dakota					<u>12/1/62</u>	<u>7577</u>	<u>1</u>				
Morrison					<u>8/29/64</u>	<u>7244</u>	<u>1</u>				
Entrada					<u>7/71</u>	<u>T.A.</u>					
					<u>1/27/72</u>	<u>6667</u>	<u>6</u>				<u>10/29</u>
					<u>8/19/72</u>	<u>7000</u>	<u>5</u>				
					<u>8/31/73</u>	<u>9000</u>	<u>4</u>				
					<u>6/74</u>	<u>S.I.</u>					

40

1 Skelly O. Co.

P
O
Otero Gal Co RA s 31 T 25N R 5W U N Oiler Getty Oil Co. Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec.
 Lst. Jicarilla "B" No. 19

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT --" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well: ☐ OIL WELL ☒ GAS WELL ☐ OTHER
2. Name of Operator
FOUR STAR OIL AND GAS COMPANY
3. Address and Telephone No.
3300 N. Butler Ave., Suite 100 Farmington NM 87401 325-4397
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Unit Letter N : 660 Feet From The SOUTH Line and 1980 Feet From The
WEST Line Section 31 Township T25N Range R05W

5. Lease Designation and Serial No.
JIC 68
6. If Indian, Alottee or Tribe Name
JICARILLA
7. If Unit or CA, Agreement Designation

8. Well Name and Number
JICARILLA B
19

9. API Well No.
3003905708

10. Field and Pool, Exploratory Area
BALLARD PICTURED CLIFFS (GAS)

11. County or Parish, State
RIO ARRIBA , NM

12. Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ OTHER: _____

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

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

13. 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.)

FOUR STAR OIL & GAS PROPOSES TO PLUG AND ABANDON THE SUBJECT WELL. THE ATTACHED PROCEDURE WILL BE UTILIZED. PLEASE REFER TO THE ATTACHED WELLBORE DIAGRAMS.

RECEIVED
JUN 24 1998
OIL CON. DIV.
DIST. 3

*Surface restoration as per attached letter
Rached Hindi*

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

SIGNATURE Rached Hindi TITLE Senior Engineer DATE 4/6/98

TYPE OR PRINT NAME Rached Hindi

(This space for Federal or State office use)

APPROVED Patricia M. Kister TITLE Lands and Mineral Resources DATE 6/19/98
CONDITIONS OF APPROVAL, IF ANY: _____

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

PLUG AND ABANDONMENT PROCEDURE

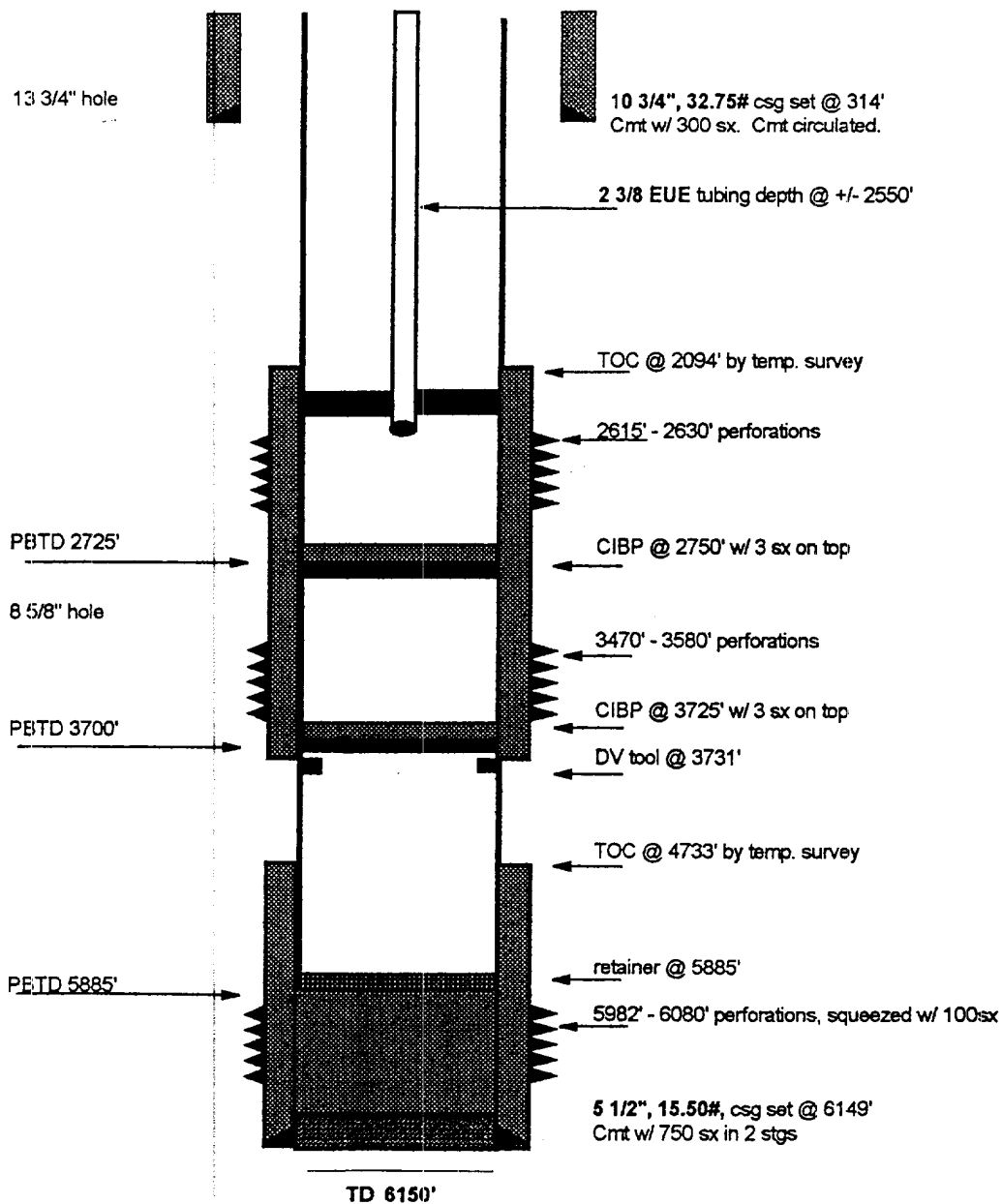
JICARILLA B #19
PICTURED CLIFFS / CHACRA
SEC. 31, T25N, R5W
RIO ARRIBA, NEW MEXICO

NOTE: ALL CEMENT VOLUMES USE 100% EXCESS OUTSIDE PIPE AND 50 FT. EXCESS INSIDE PIPE. THE STABILIZING WELLBORE FLUID WILL BE 8.3 ppg, SUFFICIENT TO BALANCE ALL EXPOSED FORMATION PRESSURES.

1. INSTALL AND TEST RIG ANCHORS. PREPARE BLOW PIT. COMPLY TO ALL BLM, BIA, AND TEXACO E&P SAFETY RULES AND REGULATIONS. MOL AND RU DAYLIGHT PULLING UNIT. CONDUCT SAFETY MEETING FOR ALL PERSONNEL ON LOCATION. NU RELIEF LINE TO BLOW DOWN WELL; KILL WITH WATER AS NECESSARY.
2. ND WELLHEAD AND NU BOP AND STRIPPING HEAD; TEST BOP. RELEASE PACKER AND POH AND TALLY +/- 2550' OF 2 3/8" TUBING; VISUALLY INSPECT THE TUBING. IF NECESSARY LD TUBING AND PU WORK STRING. ROUND TRIP 5 1/2" WIRELINE GAUGE RING TO 2565'.
3. PLUG #1 (PICTURED CLIFFS; 2465'-2565'): RIH W/ 5 1/2" WIRELINE CIBP AND SET AT 2565'. RIH WITH 2 3/8" WORK STRING AND TAG CIBP. LOAD AND CIRCULATE HOLE CLEAN W/ WATER. PRESSURE TEST CSG TO 500 psi. PLACE 12 SX CLASS B CEMENT ON TOP OF CIBP. POOH.
4. PLUG #2 (KIRTLAND; 2181'-2331'): PERFORATE 4 SQUEEZE HOLES AT 2331'. PU AND RIH W/ 5 1/2" CEMENT RETAINER AND SET AT 2281'. ESTABLISH INJECTION RATE INTO PERFORATIONS W/ WATER. MIX AND PUMP 80 SX CLASS B CEMENT PLACING 68 SX BELOW AND 12 SX ABOVE RETAINER. POOH.
5. PLUG #3 (NACIMIENTO; SURFACE CSG SHOE; 214'-468'): PERFORATE 4 SQUEEZE HOLES AT 468'. TIE PUMP ONTO CASING VALVE AND ESTABLISH CIRCULATION TO SURFACE OUT BRADON HEAD W/ WATER. MIX AND PUMP 126 SX CLASS B CEMENT AND DISPLACE TO 214'.
6. PLUG #4 (SURFACE; 0'-50'): PERFORATE 2 SQUEEZE HOLES AT 50'. TIE ONTO CASING VALVE AND ESTABLISH CIRCULATION TO SURFACE OUT BRADON HEAD W/ WATER. MIX AND PUMP APPROXIMATELY 25 SX CLASS B CEMENT TO CIRCULATE GOOD CEMENT TO SURFACE.
7. ND BOP AND CUT OFF WELL HEAD BELOW SURFACE CASING FLANGE. INSTALL DRY HOLE MARKER. RD, MOL AND CUT OFF ANCHORS. RESTORE LOCATION PER BLM STIPULATIONS.

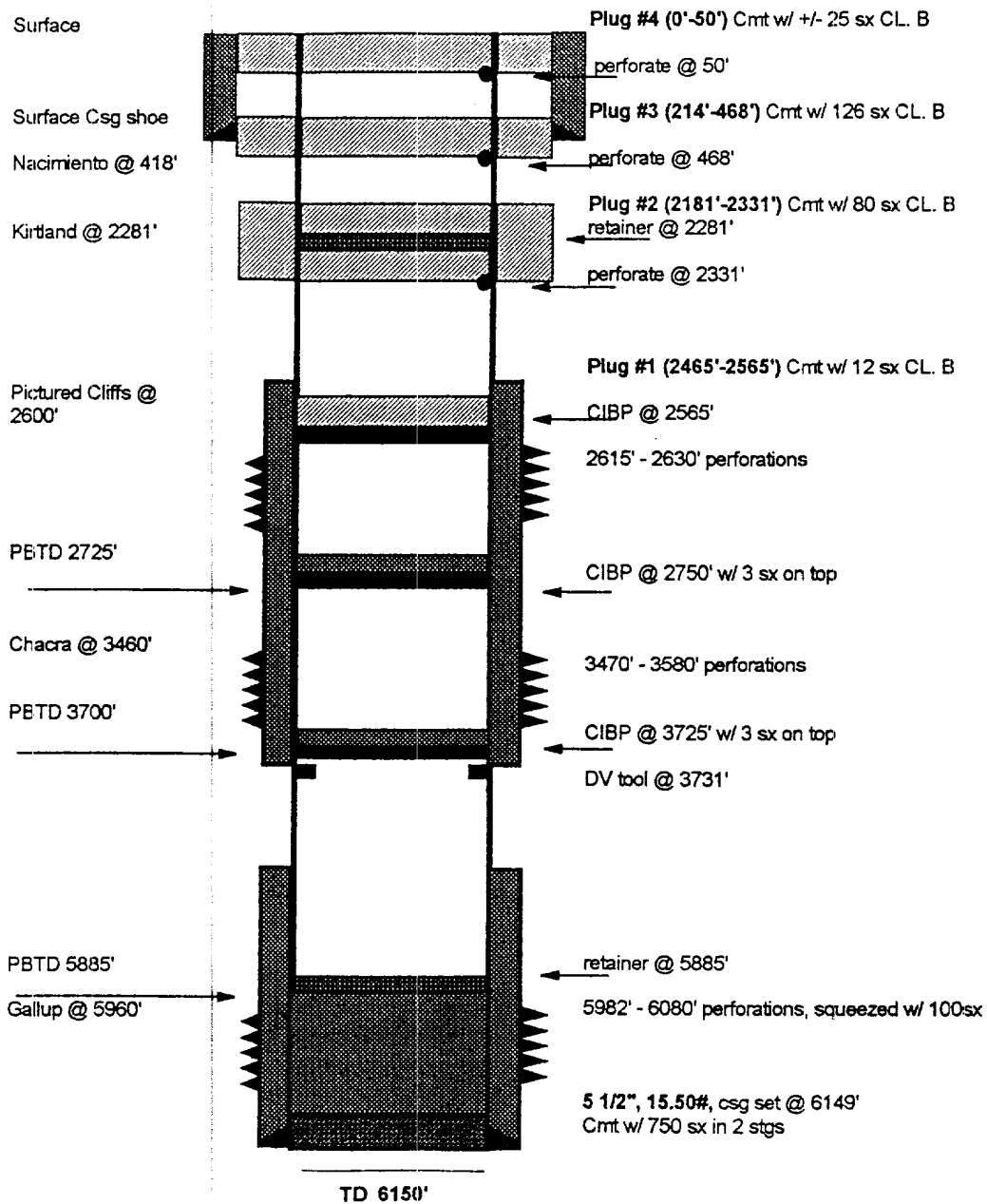
Today's Date: 01 / 27 / 98
Spud Date: 12 / 30 / 58
Completion Date: 01 / 29 / 59

Jicarilla B #19
Picture Cliffs
Current
sec. 31, t25n, r5w



Today's Date: 02 / 12 / 98
Spud Date: 12 / 30 / 58
Completion Date: 01 / 29 / 59

Jicarilla B #19
Picture Cliffs
Purposed
Sec. 31, T25N, R5W



CONDITIONS OF APPROVAL FOR PERMANENT ABANDONMENT

Operator Four Star Oil and Gas Compnay Well Name Jic B # 19

1. Plugging operations authorized are subject to the "General Requirements for Permanent Abandonment of Wells on Federal Leases."
2. For wells on Federal leases, Al Yepa with the Cuba Field Office is to be notified at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 289-3748. Office hours are 7:45 a.m. to 4:30 p.m.

For wells on Jicarilla leases notify Erwin Elote with the Jicarilla Apache Tribe at least 24 hours (48 hours if possible) before the plugging operations commence. His phone number is (505) 759-3242.

3. Blowout prevention equipment is required.
4. The following modifications to your plugging program are to be made :

Covering the Ojo Alamo is required inside and outside of the casing from 1900 to 2000'. Plugging plan needs to be modified to protect this water bearing unit.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT --" for such proposals.

SUBMIT IN TRIPLICATE 070 FARMINGTON, NM

1. Type of Well: ☐ OIL WELL ☒ GAS WELL ☐ OTHER	5. Lease Designation and Serial No. JIC 68
2. Name of Operator FOUR STAR OIL AND GAS COMPANY	6. If Indian, Allottee or Tribe Name JICARILLA
3. Address and Telephone No. 3300 N. Butler Ave., Suite 100 Farmington NM 87401 325-4397	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Unit Letter N : 660 Feet From The SOUTH Line and 1980 Feet From The WEST Line Section 31 Township T25N Range R05W	8. Well Name and Number JICARILLA B 19
	9. API Well No. 3003905708
	10. Field and Pool, Exploratory Area BALLARD PICTURED CLIFFS (GAS)
	11. County or Parish, State RIO ARRIBA, NM

12. Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data

TYPE OF SUBMISSION	TYPE OF ACTION
☒ Notice of Intent	☒ Abandonment
☒ Subsequent Report	☐ Recompletion
☐ Final Abandonment Notice	☐ Plugging Back
	☐ Casing Repair
	☐ Altering Casing
	☐ OTHER: _____
	☐ Change of Plans
	☐ New Construction
	☐ Non-Routine Fracturing
	☐ Water Shut-Off
	☐ Conversion to Injection
	☐ Dispose Water

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

13. 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.)

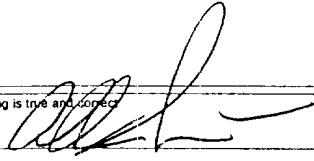
FOUR STAR OIL & GAS HAS PLUGGED AND ABANDON THE SUBJECT WELL.

7/21 - 7/23/98 MIRU, POOH W/ TBG, SET CIBP AT 2565', CIRC HOLE CLEAN, TESTED TO 500 PSI, HELD OK, PLACED 12 SXS CEMENT ON TOP OF CIBP, PERF. SQUEEZE HOLE AT 2331', SET RETAINER AT 2280', COULD NOT ESTABLISH RATE AT 1700 PSI, PLACED 12 SXS CEMENT ON TOP OF RETAINER, PERF. SQUEEZE HOLES AT 2000', RETAINER AT 1942', ESTABLISHED RATE, PUMPED 56 SXS CEMENT, 20 SXS BELOW AND 36 SXS ABOVE RETAINER, PERF. SQUEEZE HOLES AT 468', ESTABLISHED CIRCULATION TO SURFACE, PUMPED 126 SXS CEMENT AND DISPLACED 214', PERF. SQUEEZE HOLES AT 50', ESTABLISHED CIRCULATION TO SURFACE, PUMPED 36 SXS CEMENT, CIRCULATE TO SURFACE, CUT OFF WELLHEAD, INSTALLED DRY HOLE MARKER, RDMO

SEE ATTACHED PROCEDURE AND WELLBORE DIAGRAM.

RECEIVED
AUG 28 1998
OIL CON. DIV.
DIST. 3

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

SIGNATURE 	TITLE Operating Unit Manager	DATE 8/6/98
TYPE OR PRINT NAME Allen Davis		

(This space for Federal or State office use)

APPROVED

CONDITIONS OF APPROVAL, IF ANY:

Surface cor's in attached ltr (original sent w/ NOI)
Lands and Mineral Resources

DATE

8-15-98

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



JICARILLA 'B' No.19 ABANDONMENT CONDITIONS

WELL:

Jicarilla 'B' No.19

LOCATION:

SE/SW
Sec. 31-T25N-R5W
Rio Arriba County

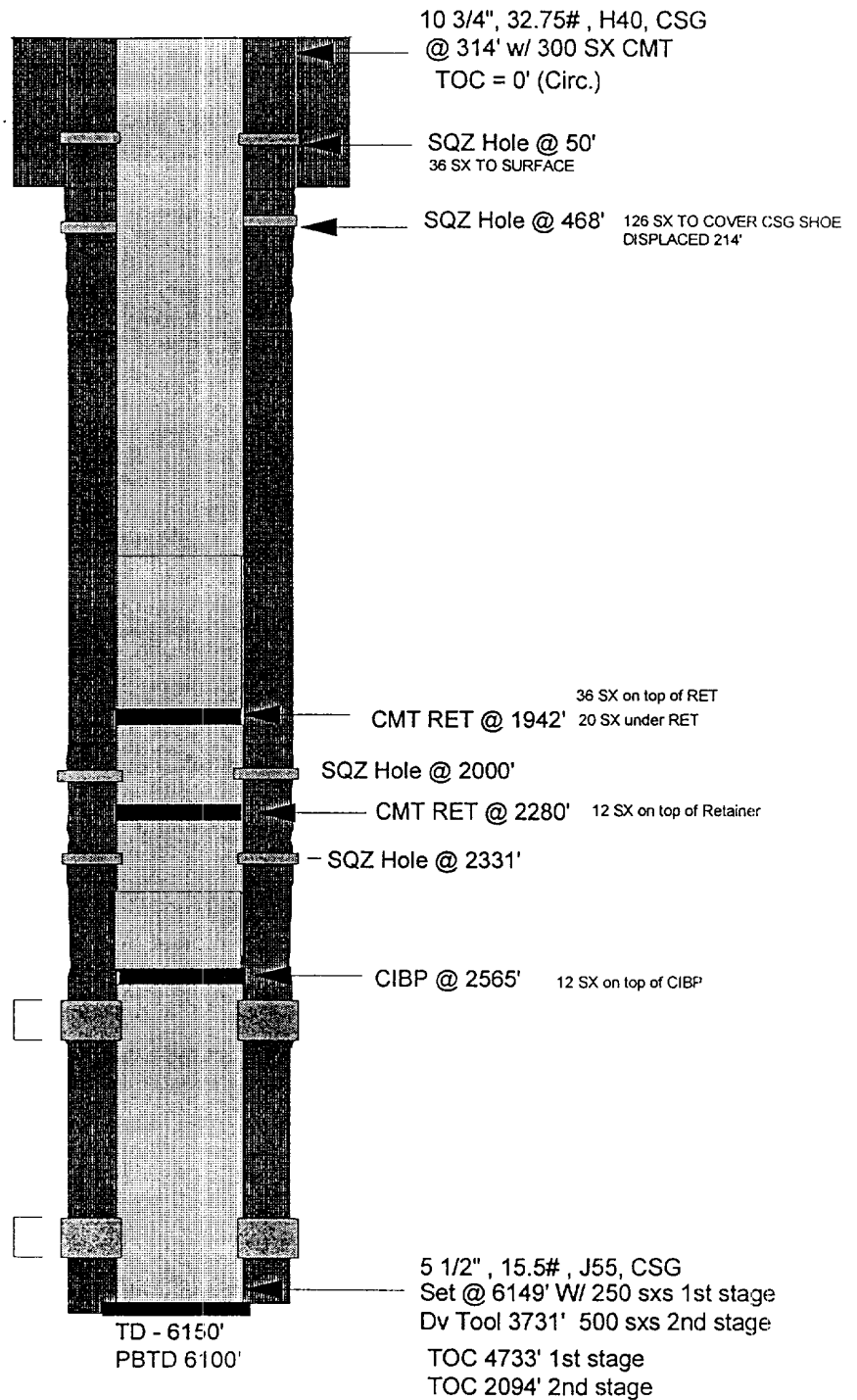
Spud 12/30/58

FORMATION TOPS:

Nacimiento 418'
Ojo Alamo 1915'
Kirtland 2281'
Pictured Cliffs 2600'
Lewis 2682'
Chacra 3460'
Cliff House 4160'
Menefee 4260'
Point Lookout 4815'
Mancos 4953'
Gallup 5960'

PICTURE CLIFFS PERFS:
2615-2630"

CHACRA 3470-3580' P&A
GALLUP 5982-6080' P&A



**P&A OPERATION
CEMENT SERVICE REPORT**

WELL NAME: JICARILLA B-19

TOTAL PLUGS SET: 5

DATE STARTED: 07-21-98

TOTAL SACKS USED: 242 sx

DATE COMPLETED: 07-23-98

TRIBE WITNESS: E. ELOTE

OPERATOR WITNESS: J. YATES

PLUG # 1 (2465' - 2565')

MOL. RIH. STRAP OUT 2589.72' OF 2 3/8" TUBING. RIH WITH 5 1/2" GAUGE RING TO 2570'. RIH WITH 5 1/2" CIBP AND SET AT 2565'. RIH WITH TUBING AND TAG CIBP. CIRCULATE HOLE CLEAN WITH WATER AND PRESSURE TEST CASING TO 500 psi. HELD GOOD. BALANCE 12 SX CLASS B CEMENT ON TOP OF CIBP TO COVER THE P.C. POH.

PLUG # 2 (2181' - 2331')

RIH WITH WIRELINE AND PERFORATE 4 SQUEEZE HOLES AT 2331'. PU AND RIH WITH 5 1/2" RETAINER AND SET AT 2280'. ESTABLISH INJECTION INTO PERFORATIONS AT 0 bpm WITH 1700 psi. BALANCE 12 SX CLASS B CEMENT ON TOP OF RETAINER TO COVER THE KIRTLAND. POH.

PLUG # 3 (1756' - 2000')

PERFORATED 4 SQUEEZE HOLES AT 2000'. PU AND RIH WITH RETAINER AND SET AT 1942'. ESTABLISHED INJECTION RATE INTO PERFORATIONS AT 0 bpm WITH 1700 psi WITH MODERATE LEAK OFF. SPOT CEMENT TO END OF TUBING AND PLACED 20 SX BELOW AND 36 SX ABOVE RETAINER WITH A SQUEEZE PRESSURE OF 1800 psi TO COVER THE OJO ALAMO. POH.

PLUG # 4 (214' - 468')

PERFORATED 4 SQUEEZE HOLES AT 468'. ESTABLISHED CIRCULATION TO SURFACE OUT BRADON HEAD WITH WATER. MIXED AND PUMPED 126 SX CLASS B CEMENT AND DISPLACED TO 214' TO COVER THE NACIMIENTO AND SURFACE CASING SHOE.

PLUG # 5 (0' - 50')

PERFORATED 2 SQUEEZE HOLES AT 50'. ESTABLISHED CIRCULATION TO SURFACE OUT BRADON HEAD WITH WATER. MIXED AND PUMPED 36 SX CLASS B CEMENT TO CIRCULATE CEMENT TO SURFACE. RD FLOOR AND ND BOP. CUT OFF WELL HEAD. RD. MOL.


NATHAN CRAWFORD
P&A SUPERVISOR