

CURTIS J. LITTLE

OIL AND GAS

OIL CONSERVATION DIVISION

RECEIVED

2346 EAST 20TH STREET

P. O. BOX 1258 • FARMINGTON, NEW MEXICO 87499

TELEPHONE: (505) 327-6176

February 12, 1990 FEB 14 AM 9 56

*Copy Sent to F Busch
2/15/90*

Mr. William LeMay
NM Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87503

Re: #3 Wiedemer Coal Seam Test
NE SE I-34-27N-10W, San Juan Co., NM

Dear Mr. LeMay:

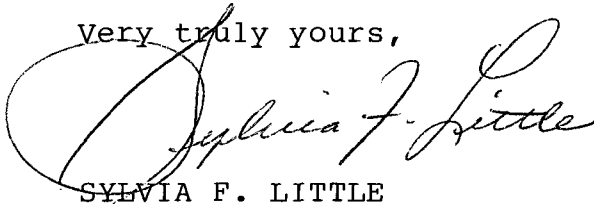
Administrative approval is hereby requested for a coal seam test in an unorthodox location.

The #3 Wiedemer was completed in 1983 in the Pictured Cliffs formation. It is our intention to plug back to the Fruitland and test that formation for natural gas production.

Waivers of Objection are being sent certified mail to offset operators requesting that they return one copy to NMOCD Santa Fe office and one copy to our office.

We attach copies of location plats for this well, and a plat showing offset ownership wells. If further information is required, please let us know. Thank you.

Very truly yours,


SYLVIA F. LITTLE

SFL/ac

Encl.

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

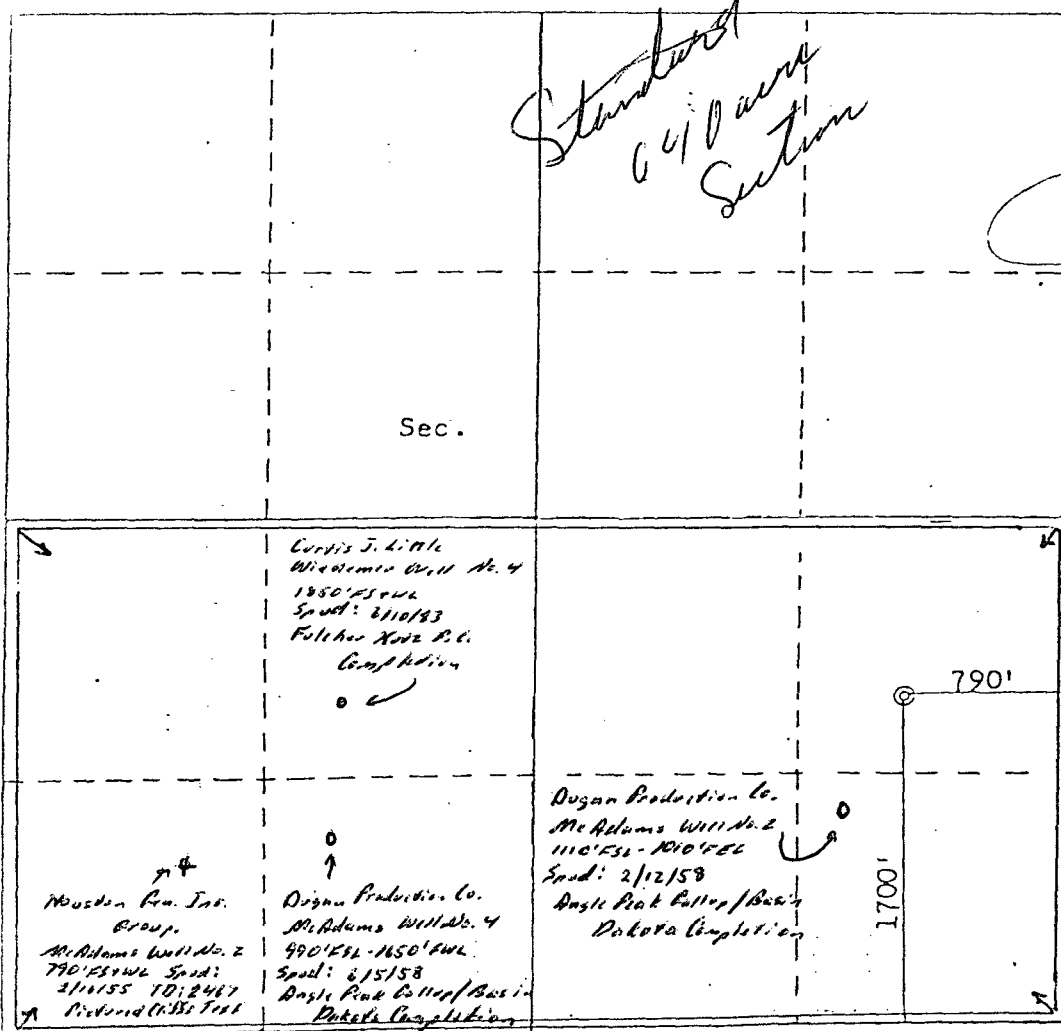
Operator Curtis J. Little Oil & Gas			Lease WIEDEMER		Well No. 3
Unit Letter 1	Section 34	Township 27N	Range 10W	County San Juan	
Actual Footage Location of Well:					
1700 feet from the South line and		790 feet from the East line			
Ground Level Elev. 5644	Producing Formation Fruitland Coal	Pool Basin	Dedicated Acreage: 320		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 _____

Operator

Position

Curtis J. Little Oil & Gas

Company

Date

February 17, 1990

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

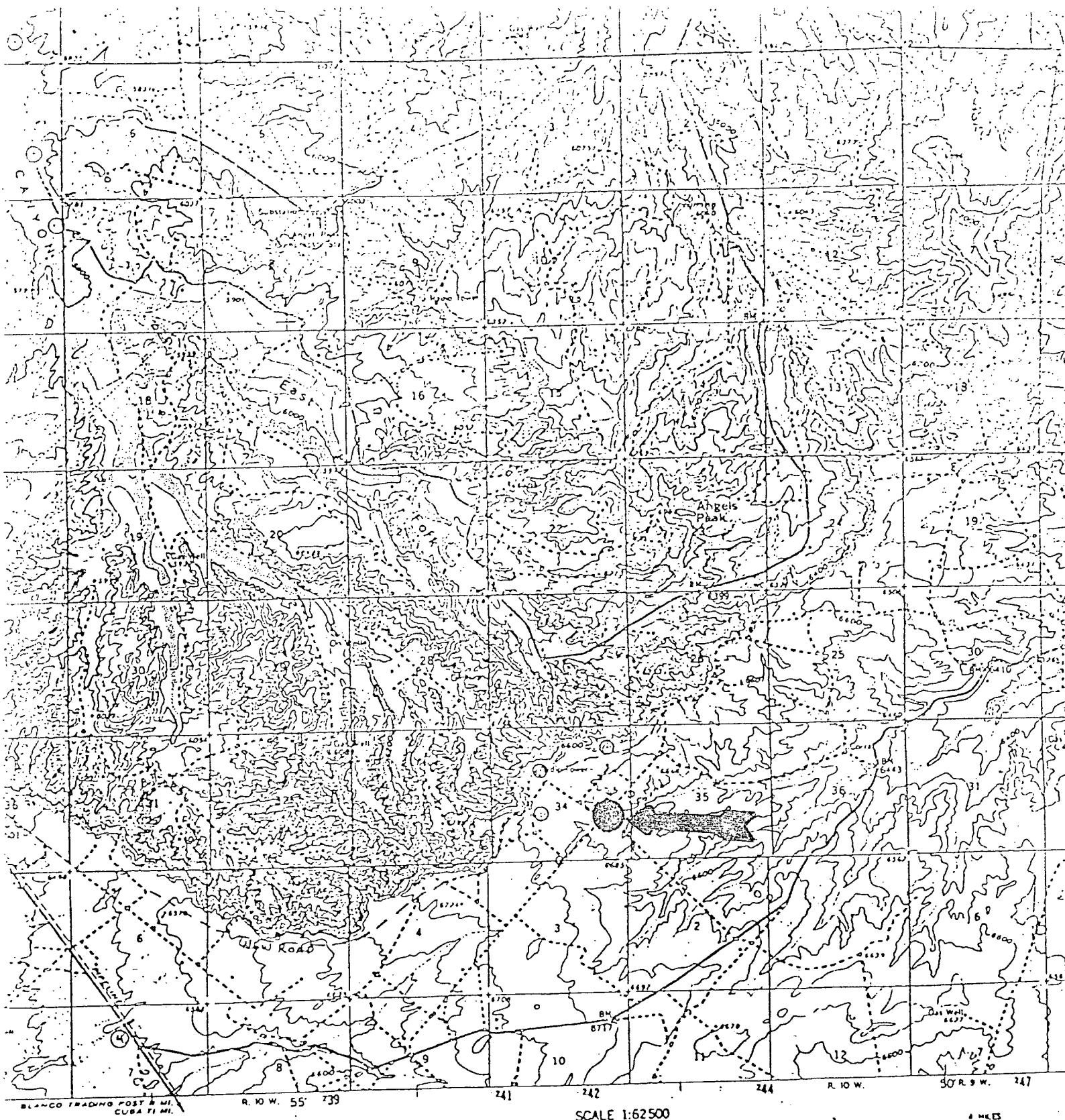
December 18, 1989

Registered Professional Engineer and/or Land Surveyor

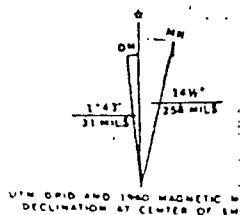
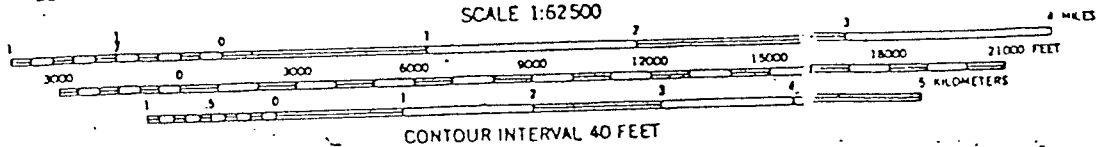
Fred B. Kerr Jr.

Certificate No.

3950



SCALE 1:62500



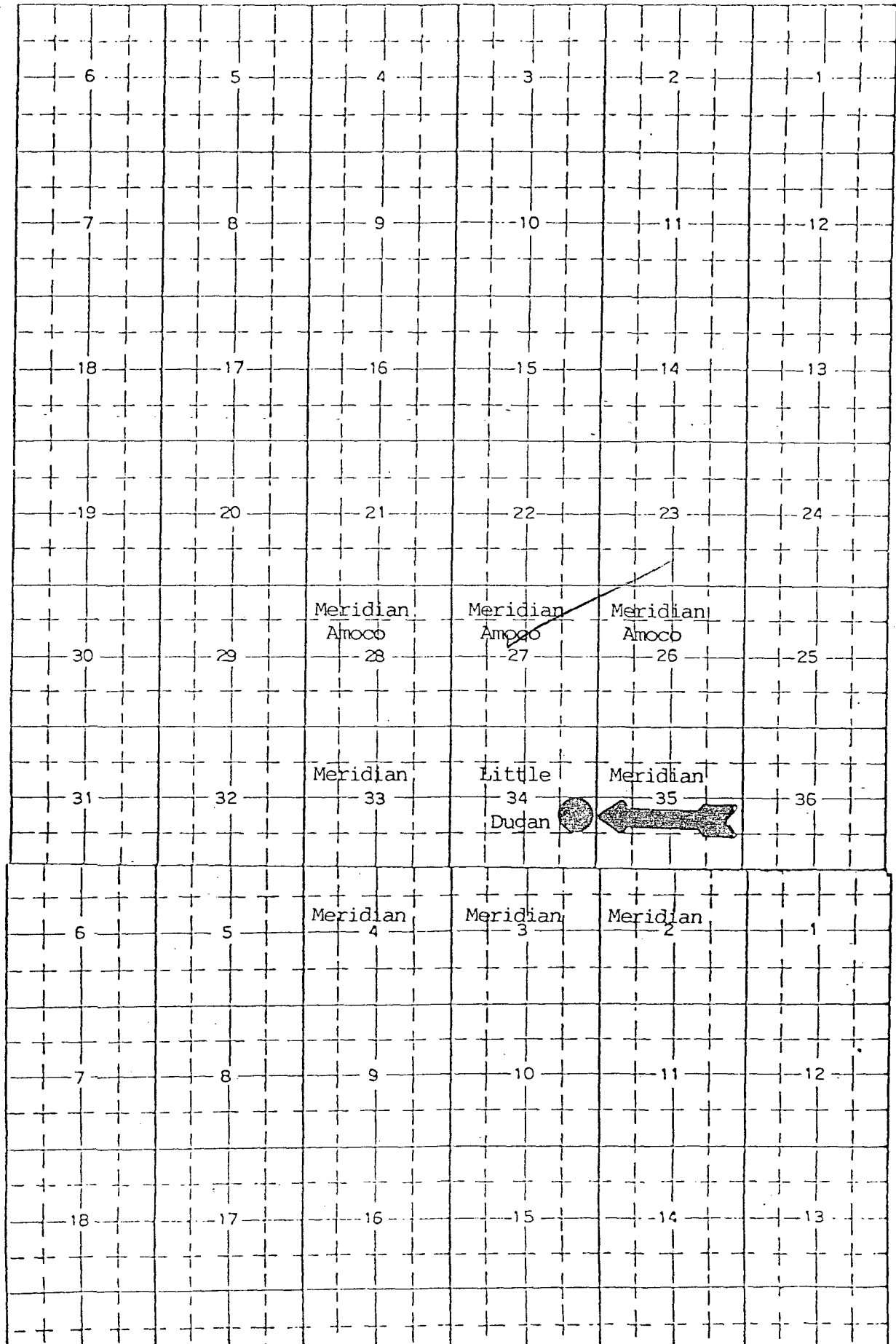
Vicinity Map for
CURTIS J. LITTLE #3 WIEDEMER
1700' FSL 790' FEL Sec. 34-T27N-R10W
SAN JUAN COUNTY, NEW MEXICO

N. D. C. 20242
EST

TOWNSHIP PLAT

(Scale: 1" = 1 mile)

TOWNSHIP 27N RANGE 10W COUNTY San Juan STATE New Mexico



OPER	WELL	U	S	T	R	ACRES	CODE	COMPLETED	P	CONNECTED
DUGAN PRODUCTION	CSUPAI POINT #1	A	20	24	8	E/320				
DUGAN PRODUCTION	CELANCO WASH #2	F	2	24	9	N/320.48	DHC	4/20/87	12	
DUGAN PRODUCTION	CELANCO WASH #3	L	2	24	9		PB	9/18/87	6	
MERIDIAN OIL INC	DONOHUE #3	J	7	25	7		X			
MERIDIAN OIL INC	CANYON LARGO UNIT NP #15	C	30	25	7		PB			
HIXON DEVELOPMENT	PETE MORROW #1	L	1	25	12	S/320	X			
CAULKINS OIL CO	STATE A #75	E	2	26	6		PB			
CAULKINS OIL CO	BREECH A #182A	C	10	26	6		PB			
MERIDIAN OIL INC	LUTHY #1	P	1	26	8		PB	9/12/89	NF	11/7/89
MERIDIAN OIL INC	McMANUS #8	A	31	26	8		PB			
MERIDIAN OIL INC	HUERFANITO UNIT #150	H	1	26	9	E/320.06		12/30/88	NF	
MERIDIAN OIL INC	HUERFANITO UNIT #167	A	2	26	9	E/320.35		1/3/89	NF	
MERIDIAN OIL INC	HUERFANITO UNIT #168	K	2	26	9	W/320.57				
MERIDIAN OIL INC	HUERFANITO UNIT #166	B	4	26	9	N/322.56				
MERIDIAN OIL INC	HUERFANITO UNIT #165	G	10	26	9	N/320				
MERIDIAN OIL INC	BALLARD #472	K	10	26	9	S/320				
MERIDIAN OIL INC	BALLARD #471	A	14	26	9	N/320				
MERIDIAN OIL INC	BALLARD #470	K	14	26	9	S/320				
MERIDIAN OIL INC	HUERFANO UNIT #182	D	28	26	9		PB			
DUGAN PRODUCTION	WESTERN FEDERAL #9	E	7	26	11	158.57	*X			
DUGAN PRODUCTION	WESTERN FEDERAL #7	M	7	26	11	158.75	*	8/31/77	82	8/23/78
MERIDIAN OIL INC	WESTERN B #1	H	8	26	11		PB			
SIMPSON ENGR & CONRICKY #1		D	18	26	11	W/317.96		6/15/84	40	8/23/84
SIMPSON ENGR & CONNELISSA #1		L	18	26	11	159.05		6/15/84	40	8/23/84
MERRION OIL & GAS	CHICKMAN #7R	A	3	26	12	E/319.02	PB	10/1/85	20	8/5/86
BASIN FUELS LTD	NAPIE #1 Y	A	13	26	12	160.00		9/12/88	TSTM	
DUGAN PRODUCTION	ELIAH MARIE #1	C	23	26	12	160.00	X			
McHUGH, JEROME P	CHACO PLANT #8	O	25	26	12	160.00	PB			
BAYLESS, ROBERT L	RUEZ #1	B	33	26	12		PB			
MERIDIAN OIL INC	TURNER HUGHES #272	B	4	27	9	E/302.72	X			
MERIDIAN OIL INC	TURNER HUGHES #8	L	4	27	9		PB			
MERIDIAN OIL INC	CLEVELAND #220	B	21	27	9	E/320	X			
MERIDIAN OIL INC	HUERFANITO UNIT #154	H	34	27	9	E/320		1/12/89	NF	
MERIDIAN OIL INC	HUERFANITO UNIT #151	A	36	27	9	E/320		12/26/88	NF	
MERIDIAN OIL INC	PIPKIN #6	H	7	27	10		PB			
MERIDIAN OIL INC	PIPKIN #1	A	8	27	10		PB			
MERIDIAN OIL INC	ROWLEY #2	L	8	27	10	160.00		6/8/88	246	7/18/88
MERIDIAN OIL INC	PIPKIN #155	H	17	27	10	E/320				
MERIDIAN OIL INC	PIPKIN #7	I	17	27	10		PB	TO BE CANCELLED		
MERIDIAN OIL INC	ROWLEY #155	K	17	27	10	W/320	X			
MERIDIAN OIL INC	ROWLEY #6	I	18	27	10		PB			
MERIDIAN OIL INC	McADAMS #4	I	20	27	10		PB			
MERIDIAN OIL INC	ROWLEY B #1	C	21	27	10		PB			
AMOCO PRODUCTION	GORDON J C E #1	K	23	27	10	W/320		6/1/88	TSTM	
MERIDIAN OIL INC	GRAHAM #1	L	26	27	10		PB			
MERIDIAN OIL INC	ROWLEY D #1	D	27	27	10		PB	5/16/88	198	7/18/88
MERIDIAN OIL INC	FROST #6	H	27	27	10	E/320		9/15/88	NF ^{NO} Elev	
MERIDIAN OIL INC	McADAMS #2	B	28	27	10		PB			
MERIDIAN OIL INC	ROWLEY C #2	K	28	27	10	160.00		6/11/88	331	7/18/88
MERIDIAN OIL INC	HUERFANO UNIT #600	A	32	27	10	E/320				

MERIDIAN OIL CONSERVATION DIVISION
RECEIVED

'90 MAR 13 AM 8 32

March 12, 1990

NSL-2761

m.s.

Mr. William LeMay
New Mexico Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87503

Re: Application for Unorthodox Location
Wiedemer #3
NE/4 SE/4 Section 34, T-27-N, R-10-W
San Juan County, New Mexico

Dear Mr. LeMay:

Per the request of Curtis J. Little Oil and Gas, please find enclosed Meridian Oil Inc.'s ballot indicating no objection to the unorthodox location for the Wiedemer #3 well.

Very truly yours,

Van L. Goebel

Van L. Goebel
Senior Landman

VLG:gm
Enclosure

Curtis J. Little File

45+

Mr. William LeMay
NM Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87503

In response to the request dated 2-1-90, we hereby
waive objection to the Curtis J. Little Oil & Gas
application for unorthodox location for the #3
Wiedemer coal seam test.

MERIDIAN OIL INC.

By: Sundance

Date: 3/7/90

cc: Meridian Oil, Inc. ✓
Attn: Van Goebel
P. O. Box 4289
Farmington, NM 87499

Dugan Production Corp.
P. O. Box 420
Farmington, NM 87499

Amoco Production Company
Attn: Gary Munson
200 Amoco Court
Farmington, NM 87401

OIL CONSERVATION DIVISION
RECEIVED

'90 FEB 23 AM 8 41

Mr. William LeMay
NM Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87503

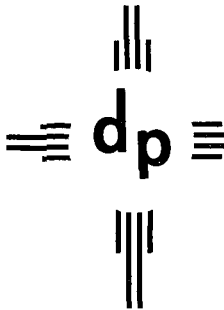
In response to the request dated 2-1-90, we hereby
waive objection to the Curtis J. Little Oil & Gas
application for unorthodox location for the #3
Wiedemer coal seam test.

Amoco Production Co
By: JW/Hawkins
Date: 2/21/90

cc: Meridian Oil, Inc.
Attn: Van Goebel
P. O. Box 4289
Farmington, NM 87499

Dugan Production Corp.
P. O. Box 420
Farmington, NM 87499

Amoco Production Company ✓
Attn: Gary Munson
200 Amoco Court
Farmington, NM 87401



dugan production corp.

RECEIVED
DIVISION

'90 FEB 28 AM 8 52

February 27, 1990

New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, NM 87504-2088

RE: Little's Application for
Unorthodox Location
#3 Wiedemer Coal Seam Test
NE/4 SE/4 Sec. 34-27N-10W
San Juan County, NM

Gentlemen:

This is to advise that Dugan Production Corp., an offset operator in the Gallup Formation, has no objection to Curtis J. Little Oil and Gas Company's request for administrative approval of an unorthodox location for the captioned well.

Sincerely,

Richard Corcoran
Land Manager

RC/mm

cc: Sylvia F. Little
P. O. Box 1258
Farmington, NM 87499



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

RREY CARRUTHERS
GOVERNOR

'90 FEB 29 AM 10 05

1000 RIO DIAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6170

Date: 2-26-90

ATTN:
Michael Stogner

Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87504-2088

Re: Proposed HC _____
Proposed DHC _____
Proposed NSL X _____
Proposed SWD _____
Proposed WFX _____
Proposed PHX _____

Gentlemen:

I have examined the application dated 2-21-90

for the Curtis J. Little Oil & Gas Wiedemer Coal Seam Test
Operator Lease & Well No.

I-34-27N-10W and my recommendations are as follows:
Unit, S-T-R

Approved

Yours truly,

Ernie Brach

EL PASO NATURAL GAS COMPANY
POST OFFICE BOX 990
FARMINGTON, NEW MEXICO

NOTICE OF GAS CONNECTION

DATE August 25, 1983

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR PURCHASE OF

GAS FROM Curtis J. Little Wiedemer #3
Operator Well Name

94-745-01 38737-01 I 34-27-10
Meter Code Site Code Well Unit S-T-R

Fulcher Kutz Pictured Cliffs El Paso Natural Gas Company
Pool Name of Purchaser

WAS MADE ON August 11, 1983,
DateFIRST DELIVERY August 12, 1983
DateAOF 556CHOKE 547El Paso Natural Gas CompanyPurchaserRepresentativeCoordinator Production San Juan
Title

cc: Operator Farmington
Oil Conservation Commission - 2
~~Production~~ - El Paso Production Control
Contract Administration
File

RECEIVED
AUG 29 1983
OIL CON. DIV.
DIST. 3

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

1.	OPERATION OFFICE	
Operator		
CURTIS J. LITTLE		
Address P.O. Box 1258 Farmington, NM 87499		
Reason(s) for filing (Check proper box)		Other (Please explain)
New Well ☒	Change in Transporter of:	
Recompletion ☐	Oil ☐ Dry Gas ☐	
Change in Ownership ☐	Casinghead Gas ☐ Condensate ☐	

If change of ownership give name
and address of previous owner _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name Wiedemer	Well No. 3	Pool Name, Including Formation Fulcher Kutz Pictured Cliff	Kind of Lease State, Federal or Fee Federal	Lease No. SF-081087
Location				
Unit Letter <u>I</u> ; <u>1700</u> Feet From The <u>South</u> Line and <u>790</u> Feet From The <u>East</u>				
Line of Section <u>34</u> Township <u>27N</u> Range <u>10W</u> , NMPM, <u>San Juan</u> 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 Company	P.O. Box 990, Farmington, NM 87499					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Rge.	Is gas actually connected?	When
					no	soon

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

IV. COMPLETION DATA

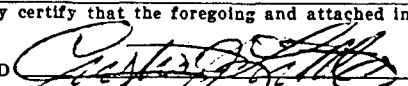
Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		XX	XX					
Date Spudded 6-6-83	Date Compl. Ready to Prod. 7-1-83		Total Depth 2490'		P.B.T.D. 2468'			
Elevations (DA 6646 GR	Name of Producing Formation Pictured Cliffs		Top Oil/Gas Pay 2346'		Tubing Depth none			
Perforations 2346-90, 2408-10, 2418-20, 2442-44, 2450 (24" apart)					Depth Casing Shoe 2490'			

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL ☐	GAS WELL ☒	DRY ☐	Other ☐		
b. TYPE OF COMPLETION:		NEW WELL ☒	WORK OVER ☐	DEEP-EN ☐	PLUG BACK ☐	DIFF. RESVR. ☐	
2. NAME OF OPERATOR CURTIS J. LITTLE							
3. ADDRESS OF OPERATOR P.O. Box 1258 Farmington, NM 87499							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 1700 FSL 790 FEL At top prod. interval reported below Same At total depth Same							
API No. 30-045-25285 SURVEY							
14. PERMIT NO. FARMINGTON, N.M.							
5. LEASE DESIGNATION AND SERIAL NO.		SF-081087					
6. IF INDIAN, ALLOTTEE OR TRIBE NAME							
7. UNIT AGREEMENT NAME							
8. FARM OR LEASE NAME		WIEDEMER					
9. WELL NO.		3					
10. FIELD AND POOL, OR WILDCAT		Fulcher Kutz PC					
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA		Sec. 34-T27N-R10W					
12. COUNTY OR PARISH		13. STATE					
San Juan		NM					
15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, REB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD			
6-6-83	6-10-83	7-1-83	6664' GR	6648 GR			
20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS		
2490' GR	2468' FR			10-2490 GR			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 2346-90, 2408-10, 2418-20, 2442-44, 2450 GR Pictured Cliffs					25. WAS DIRECTIONAL SURVEY MADE no		
26. TYPE ELECTRIC AND OTHER LOGS RUN IES GR Density					27. WAS WELL CORED no		
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED		
7"	23	121 GR	9 3/4	65 sx. (76 CF), 2% CaCl	none		
2 7/8"	6.5	2490 GR	6 1/4	1/4# Flocele 310 sx. 50-50 Poz, 2% gel, 1/4# Flocele, 6 1/2# gilsonite, 50 sx. neat, (620 CF) circulated [NON			
29. LINER RECORD			30. TUBING RECORD				
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
none						none	
31. PERFORATION RECORD (Interval, size and number) 2346-90, 2408-10, 2418-20, 2442-44, 2450, 30 holes, 0.35" dia. 24" apart.			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.				
			DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED			
			2346-2450	Acidized 500 gals. 7 1/2% HCL, fra w/75,000 lb. 10-20 sd., 18977 1% KCl water, 75% Quality foam 1085 MCF Nitrogen. BOP 2800,			
33.* PRODUCTION			ATP 3200, ISIP 1475.				
DATE FIRST PRODUCTION 7-1-83		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing			WELL STATUS (Producing or shut-in) Shut-in		
DATE OF TEST 7-1-83	HOURS TESTED 3	CHOKE SIZE 3/4	PROD'N. FOR TEST PERIOD →	OIL—BBL. 0	GAS—MCF. 68	WATER—BBL. 0	GAS-OIL RATIO
FLOW. TUBING PRESS. csg. 34 psi	CASING PRESSURE 7 day SI 381 psi	CALCULATED 24-HOUR RATE →	OIL—BBL. 0	GAS—MCF. 547	WATER—BBL. 0	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) to be sold					TEST WITNESSED BY Joe Elledge		
35. LIST OF ATTACHMENTS none					ACCEPTED FOR RECORD		
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED 		TITLE Operator		DATE JUL 28 1983			

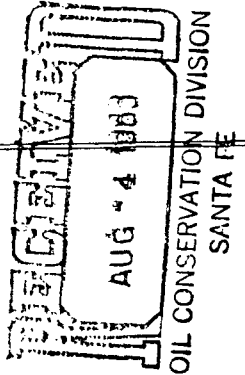
*(See Instructions and Spaces for Additional Data on Reverse Side)

FARMINGTON RESOURCE AREA
FARMINGTON, NEW MEXICO
BY Smn

NMOCC

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 DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS																					
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.																				
Ojo Alamo	1358	1525	Probably water																				
 RECEIVED AUG 4 1963 OIL CONSERVATION DIVISION SANTA FE																							
		<table border="1"> <thead> <tr> <th>NAME</th> <th>MEAS. DEPTH</th> <th>TOP</th> <th>TRUE VERT. DEPTH</th> </tr> </thead> <tbody> <tr> <td>Ojo Alamo</td> <td>1358</td> <td></td> <td rowspan="5">Same</td> </tr> <tr> <td>Kirtland</td> <td>1525</td> <td></td> </tr> <tr> <td>Huitland</td> <td>2132</td> <td></td> </tr> <tr> <td>Pictured Cliffs</td> <td>2344</td> <td></td> </tr> <tr> <td>Lewis</td> <td>2468</td> <td></td> </tr> </tbody> </table>		NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH	Ojo Alamo	1358		Same	Kirtland	1525		Huitland	2132		Pictured Cliffs	2344		Lewis	2468	
NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH																				
Ojo Alamo	1358		Same																				
Kirtland	1525																						
Huitland	2132																						
Pictured Cliffs	2344																						
Lewis	2468																						

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 7-1-83					RECEIVED JUL 6 - 1983 OIL CON. DIV. DIST. 3 Wiedemer							
Company Curtis J. Little					Connection El Paso												
Pool Fulcher Kutz					Formation Pictured Cliff												
Completion Date 6-21-83			Total Depth 2493			Plug Back TD 2468			Elevation 6444 GL			Farm or Lease Name Wiedemer					
Csg. Size 2.875		Wt. 6.5		ID 2.441		Set At 2490		Perforations: From 2346 To 2450			Well No. 3						
Thq. Size		Wt. Slim		ID Hole		Set At		Perforations: From To			Unit Sec. Twp. Rge. I 34 27 10						
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single								Packer Set At None				County San Juan					
Producing Thru Csg.			Reservoir Temp. °F #			Mean Annual Temp. °F			Baro. Press. - P _a 12 psi .est			State New Mexico					
L		H		Cg .650		% CO ₂		% N ₂		% H ₂ S		Prover		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	Press. p.s.i.g.	Temp. °F					
SI	10 days										381						
1.	2 inch		.750	34							34	60	3 hours				
2.																	
3.																	
4.																	
5.																	
RATE OF FLOW CALCULATIONS																	
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd										
1	12.3650		46	1.000	.9608	1.001	547										
2.																	
3.																	
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 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 393 P _c ² 154449																	
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0204$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.01729$												
1		56	3084	151365													
2		Calculated															
3																	
4																	
5																	
Absolute Open Flow 556 _____ Mcfd @ 15.025 Angle of Slope @ _____ Slope, n .85																	
Remarks: Dry gas throughout test																	
Approved By Division				Conducted By: Joe Elledge				Calculated By: Joe Elledge				Checked By: Curtis J. Little					

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other ☐

2. NAME OF OPERATOR
Curtis J. Little

3. ADDRESS OF OPERATOR P.O. Box 1258
Farmington, NM 87499

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1700' FSL & 790' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

5. LEASE SF-081087

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME WIEDEMER

9. WELL NO. #3

10. FIELD OR WILDCAT NAME Fulcher Kutz PC

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 34-T27N-R10W

12. COUNTY OR PARISH San Juan 13. STATE NM

14. API NO. 30-045-25385

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6444' GL

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:

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RECEIVED

JUN 24 1983

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

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

RECEIVED

JUN 30 1983

OIL CON. DIV.

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.)*

6-20-83

PERF 2346-90, 2408-10, 2418-20, 2442-44, 2450; 30 holes, 0.35" dia., 24" apart. Acidized w/500 gals. 7½% HCL & 40 ballsealers. BDP 2800 psi. Frac w/75,000 lb. 10-20 sand, 18,977 gals. 1% KCL water, 75% Quality foam and 1085 MCF/Nitrogen. ATP 3200 psi. ISIP 1475 psi. Flowed back & shut in for 7 day buildup.

Subsurface Safety Valve: Manu. and Type n/a Set @ Ft.

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

SIGNED Kenna Tanaka TITLE Agent DATE June 24, 1983

(This space for Federal or State office use)

APPROVED BY TITLE DATE
CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

*See Instructions on Reverse Side

JUN 29 1983

NMOCC

FARMINGTON DISTRICT
BY JK

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other ☐

2. NAME OF OPERATOR
Curtis J. Little

3. ADDRESS OF OPERATOR
P.O. Box 1258
Farmington NM 87499

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1700' FSL & 790' FEL
AT TOP PROD. INTERVAL:
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:

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RECEIVED
JUN 15 1983(NOTE: Report results of multiple completion by zone change on Form 9-330.)
JUN 22 1983
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.OIL CON. DIV.
DIST. 3

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.)*

6-6-83 SPUD 9-3/4" hole 9:30 am. Drld. 130' and ran 121' 7" csg. Cemented w/65 sx (76 cu.ft.) w/2% CaCl and 1/4# flocele. Pressure tested 500#; held ok. Drilled out at 1:30 am 6-7-83.

6-11 RAN 93 jts 2-7/8" 6.5# csg to 2490' GL. PBTD 2468'. Cemented w/310 sx 50-50 poz w/2% gel, 1/4# Flocele, 6 1/2# gilsonite and 50 sx neat (620 cu.ft. total slurry). Plug down 4:30 pm 6-10-83. Good circ. throughout job. Circulated 36 cu/ft cement to slurry pits. Pressured to 3500 psi and held ok.

Subsurface Safety Valve: Manu. and Type _____ n/a _____ Set @ _____ Ft.

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

SIGNED Curtis J. Little TITLE Operator DATE June 15, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD

*See Instructions on Reverse Side

JUN 21 1983

NMOCC

BY SM
FARMINGTON DISTRICT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil ☐ well ☐ gas ☒ well ☐ other ☐

2. NAME OF OPERATOR
Curtis J. Little

3. ADDRESS OF OPERATOR
P. O. Box 2487
Farmington NM 87499

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1700' FSL & 790' FEL
AT TOP PROD. INTERVAL:
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* ☐

SUBSEQUENT REPORT OF:

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(other) Extension of APD starting date

RECEIVED

APR 28 1983

(Note: Report results of multiple completion or zone change on Form 9-330.)

5. LEASE
SF-081087

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Wiedemer

9. WELL NO.
#3

10. FIELD OR WILDCAT NAME
Fulcher Kutz PC Ext.

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 34-T27N-R10W

12. COUNTY OR PARISH
San Juan

13. STATE
N.M.

14. API NO.
30-045-25385

15. ELEVATIONS (SHOW DF, KDB, AND WD)
6648 GL

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.)*

Request starting date be extended to November 14, 1983

RECEIVED

MAY 6 1983

OIL CON. DIV.
DIST. 3

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Curtis J. Little TITLE Operator DATE April 28, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

NMOCC

APPROVED
AS AMENDED
MAY 02 1983
JAMES F. SIMS
DISTRICT ENGINEER

All distances must be from the corner to midline of the section.

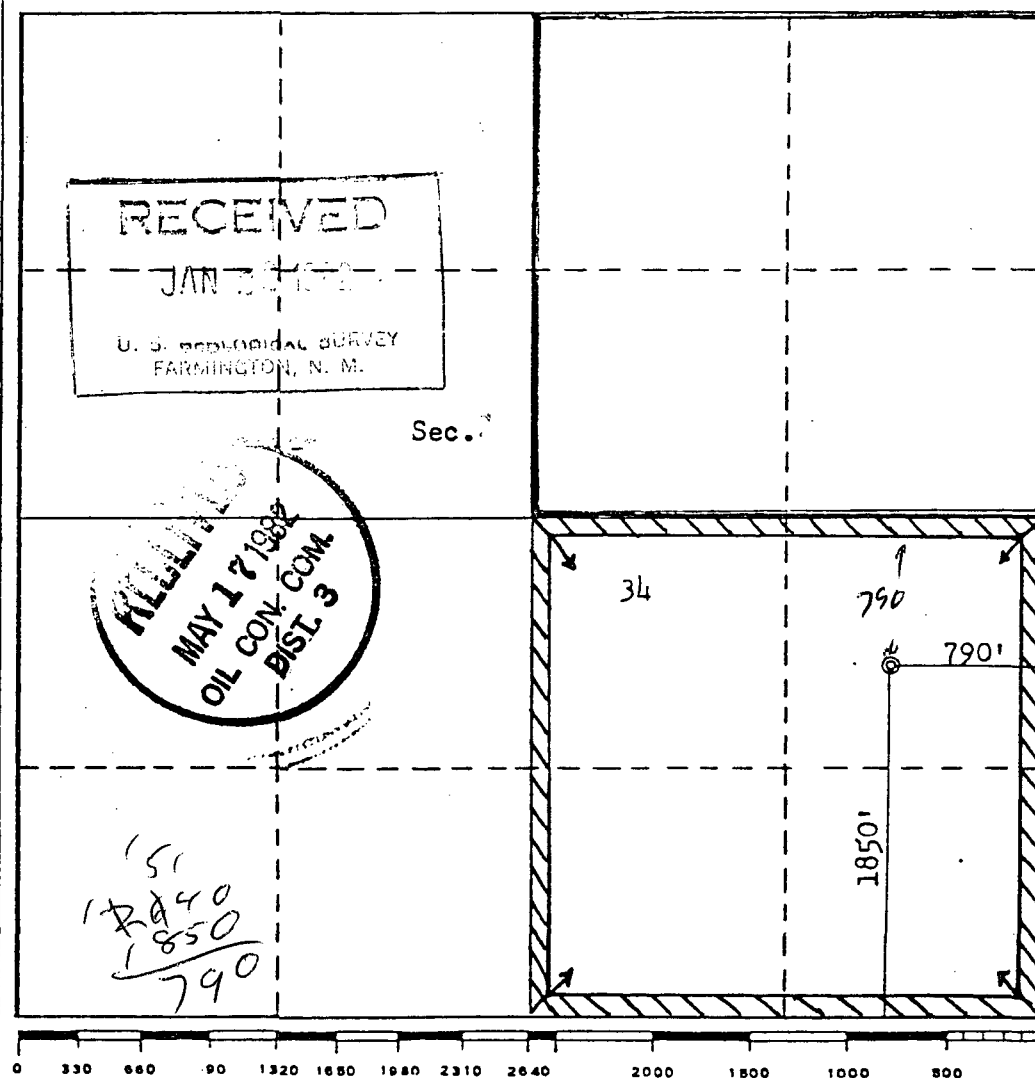
Operator CURTIS J. LITTLE		Lease WILLOW		Well No. 3
Unit Letter I	Section 34	Township 27N	Range 10W	County San Juan
Actual Footage Location of Well: 1850 feet from the South line and 790 feet from the East line				
Ground Level Elev. 6548	Producing Formation Pictured Cliffs		Pool Fulcher Kutz Ext.	Dedicated Acreage: 160 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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.

Curtis J. Little

Name
CURTIS J. LITTLE

Position
Operator

Company
Curtis J. Little

Date
January 19, 1982

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

December 2, 1981

Registered Professional Engineer
and/or Land Surveyor

Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No.

3950

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐		5. LEASE DESIGNATION AND SERIAL NO. SF-081087	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Curtis J. Little		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 2487 Farmington NM 87401		8. FARM OR LEASE NAME Wiedemer	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements:*) At surface 1850' FSL & 790' FEL At proposed prod. zone 1700 same		9. WELL NO. #3	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 15 miles SE of Bloomfield, N.M.		10. FIELD AND POOL, OR WILDCAT Fulcher Kutz Ext.	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 790'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA I Sec. 34-27N-10W	
16. NO. OF ACRES IN LEASE 640		12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL 160		13. STATE NM	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1/2 mile		19. PROPOSED DEPTH 2493	
20. ROTARY OR CABLE TOOLS rotary		21. APPROX. DATE WORK WILL START* 2-11-82	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6648' GL		22. APPROX. DATE WORK WILL START* 2-11-82	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8-3/4"	7"	23#	120'	60 sx - circulate
6-1/4"	2.875"	6.4#	2493'	200 sx - to cover OjoAlamo

Propose to drill with mud, run mechanical logs, selectively perforate, test, and sand/water fracture the Pictured Cliffs Formation. BHP is not expected to exceed 800 psi.

A 10" 3000 psi WP and 6000 psi test double gate BOP with blind and pipe rams will be used for blowout prevention.

The gas is dedicated to El Paso.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Curtis J. Little TITLE Operator DATE 1-19-82
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

GENERAL REQUIREMENTS
This permit is subject to the following conditions:
1. The permittee shall comply with all applicable laws, rules, and regulations.
2. The permittee shall maintain accurate records of all operations.
3. The permittee shall provide adequate insurance coverage.
4. The permittee shall submit to the District Engineer for review and approval all plans, specifications, and reports.
5. The permittee shall be responsible for the safety of all personnel and equipment.
6. The permittee shall be responsible for the protection of the environment.
7. The permittee shall be responsible for the proper disposal of all waste materials.
8. The permittee shall be responsible for the proper handling and storage of all explosives and other hazardous materials.
9. The permittee shall be responsible for the proper use of all equipment and tools.
10. The permittee shall be responsible for the proper use of all personnel.
11. The permittee shall be responsible for the proper use of all funds.
12. The permittee shall be responsible for the proper use of all resources.
13. The permittee shall be responsible for the proper use of all information.
14. The permittee shall be responsible for the proper use of all technology.
15. The permittee shall be responsible for the proper use of all knowledge.
16. The permittee shall be responsible for the proper use of all skills.
17. The permittee shall be responsible for the proper use of all abilities.
18. The permittee shall be responsible for the proper use of all talents.
19. The permittee shall be responsible for the proper use of all strengths.
20. The permittee shall be responsible for the proper use of all weaknesses.

NMOCC

