

1776 LINCOLN STREET, SUITE 700

DENVER, COLORADO 80203

303/861-8140

FAX 303/863-1040

RECEIVED

JUN 23 2003

Oil Conservation Division

#10,618



June 19, 2003

New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87504
Attn: Roy Johnson

Re: Plan of Development for 2003
Review of Operations for 2002
Parkway Delaware Unit
Eddy County, New Mexico

Dear Sir:

Pursuant to the Unit Agreement for the development and operation of the Parkway Delaware Unit, St. Mary Land & Exploration, as Operator, hereby submits for your information and approval a Review of Operations for 2002 and Plan of Development for 2003.

2002 REVIEW OF OPERATIONS

Waterflood operations continued during 2002 with the water injection averaging 5084 barrels per day. Production averaged 1118 BOPD, 338 MCFD and 552 BWPD

- The PDU #601 injection well was fracture stimulated.
- Additional Lower Delaware 'C' perforations were opened and all 'C' intervals were fracture stimulated in the PDU #501 and PDU #503 producers during 2002.
- A rental compressor was installed at the Tract 1 facility to overcome the high line pressure of Duke Energy's gathering system. Tracts 2 and 7-8 were also tied into the compressor.
- Routine remedial work is ongoing to maintain the unit at maximum producing capacity.

Attached for your record you will find a well status and production summary.

2003 PLAN OF DEVELOPMENT

We plan to continue to identify frac and acidizing candidates. The PDU #801 was acidized in the 'A', 'B' and 'C' intervals in January 2003. It is planned to open the lower 'C' intervals and frac upper and lower 'C' intervals in the PDU #701, similar to the work done on the #501 and #503 in 2002. Routine acidizing workovers of injectors will continue to be carried out as necessary.

A major unit-wide reservoir simulation study to review and optimize the waterflood production model has been completed. It revealed that infill drilling would recover significant incremental reserves as the Delaware reservoir is too tight for efficient sweep with the current 5 spot patterns. To down space, we plan to initiate a pilot infill drilling program consisting of 4 new producers to make an inverted 9-spot pattern around the #507 injector (see attached diagram). Additional perforations would be added and frac'd in the 'A' and 'B' intervals of the PDU #507. Workovers will also be done on existing pattern producers to ensure the 'A' and 'B' zones are open for waterflood conformance.

St. Mary Land & Exploration Company, as Operator of the Parkway Delaware Unit, respectfully requests your approval of this 2002 Review of Operations and 2003 Plan of Development.

Sincerely,

ST. MARY LAND & EXPLORATION COMPANY

A handwritten signature in black ink that reads "Mike Mungas" followed by a stylized circled "M" or "Mungas" monogram.

Mike Mungas
Regulatory and Safety Engineer

WELL STATUS AND PRODUCTION HISTORY STATISTICS - 2002
Parkway Delaware Unit
Eddy County, New Mexico

Well Status

Drilling	0
Producing	17
Injecting	10
Water Source	0
Shut In- Production and Injection	4

December, 2002 Production - Injection

Oil-Barrels	35,616
Gas- MCF	10,781
Water-Barrels	17,752
Water Injection -Barrels	147,467

2002 Production - Injection

Oil-Barrels	407,886
Gas-MCF	123,437
Water-Barrels	201,629
Water Injection -Barrels	1,853,055

Cumulative Production - Injection

Oil-Barrels	4,029,154
Gas-MCF	9,374,633
Water-Barrels	2,788,657
Water Injection -Barrels	9,748,816

Drilling Wells:

None

Producing Wells:

PDU #201, NENW, SEC. 35, T19S, R29E
PDU #202, NWNE, SEC. 35, T19S, R29E
PDU #203, NENE, SEC. 35, T19S, R29E
PDU #301, SWNE, SEC. 35, T19S, R29E
PDU #401, SENW, SEC. 35, T19S, R29E
PDU #501, NWSE, SEC. 35, T19S, R29E
PDU #502, NESW, SEC. 35, T19S, R29E
PDU #503, SWSE, SEC. 35, T19S, R29E
PDU #504, SESW, SEC. 35, T19S, R29E
PDU #701, NESE, SEC. 35, T19S, R29E
PDU #702, SENE, SEC. 35, T19S, R29E
PDU #801, SESE, SEC. 35, T19S, R29E
PDU #901, SWNW, SEC. 36, T19S, R29E
PDU #902, NWNW, SEC. 36, T19S, R29E
PDU #921, NWSW, SEC. 36, T19S, R29E
PDU #922, SWSW, SEC. 36, T19S, R29E
PDU #923, NESW, SEC. 36, T19S, R29E

Injection Wells:

PDU #205, SENE, SEC. 35, T19S, R29E
PDU #303, SENW, SEC. 35, T19S, R29E
PDU #304, SWNE, SEC. 35, T19S, R29E
PDU #506, SWSE, SEC. 35, T19S, R29E
PDU #507, NWSE, SEC. 35, T19S, R29E
PDU #508, NWSE, SEC. 35, T19S, R29E
PDU #509, SESE, SEC. 35, T19S, R29E
PDU #601, NWNE, SEC. 2, T20S, R29E
PDU #703, NESE, SEC. 35, T19S, R29E
PDU #704, NESE, SEC. 35, T19S, R29E

Saltwater Source Wells:

None

Shut-in Wells:

PDU #101, SWSE, SEC. 26, T19S, R29E

PDU #204, NWNW, SEC. 35, T19S, R29E (injection well)

PDU #505, NWSW, SEC. 35, T19S, R29E (injection well)

PDU #302, SWNE, SEC. 35, T19S, R29E (injection well)

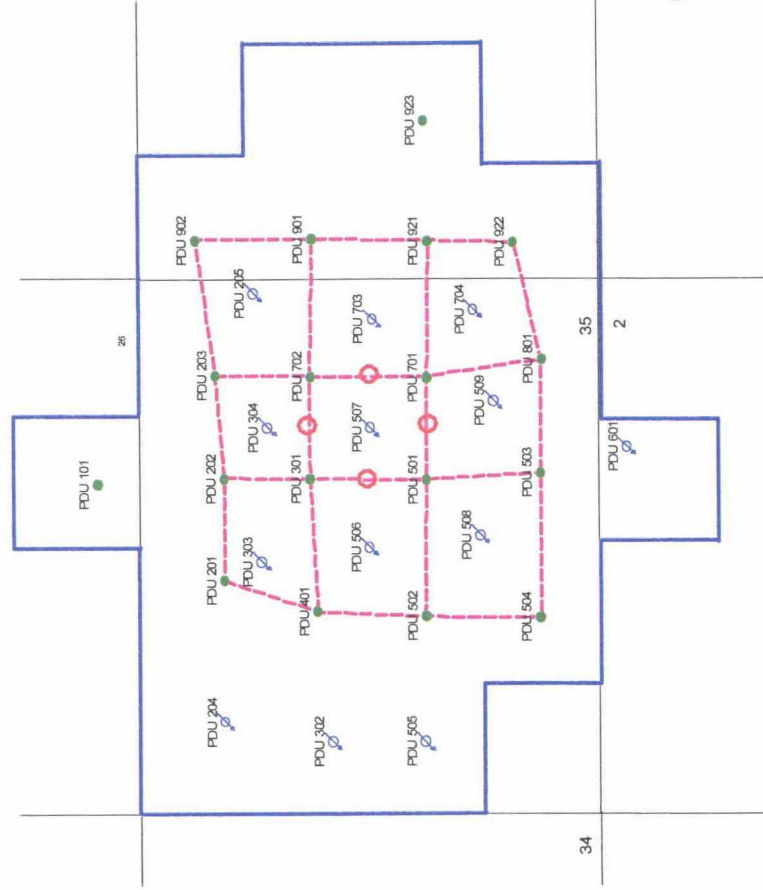
Plugged and Abandoned Wells:

None



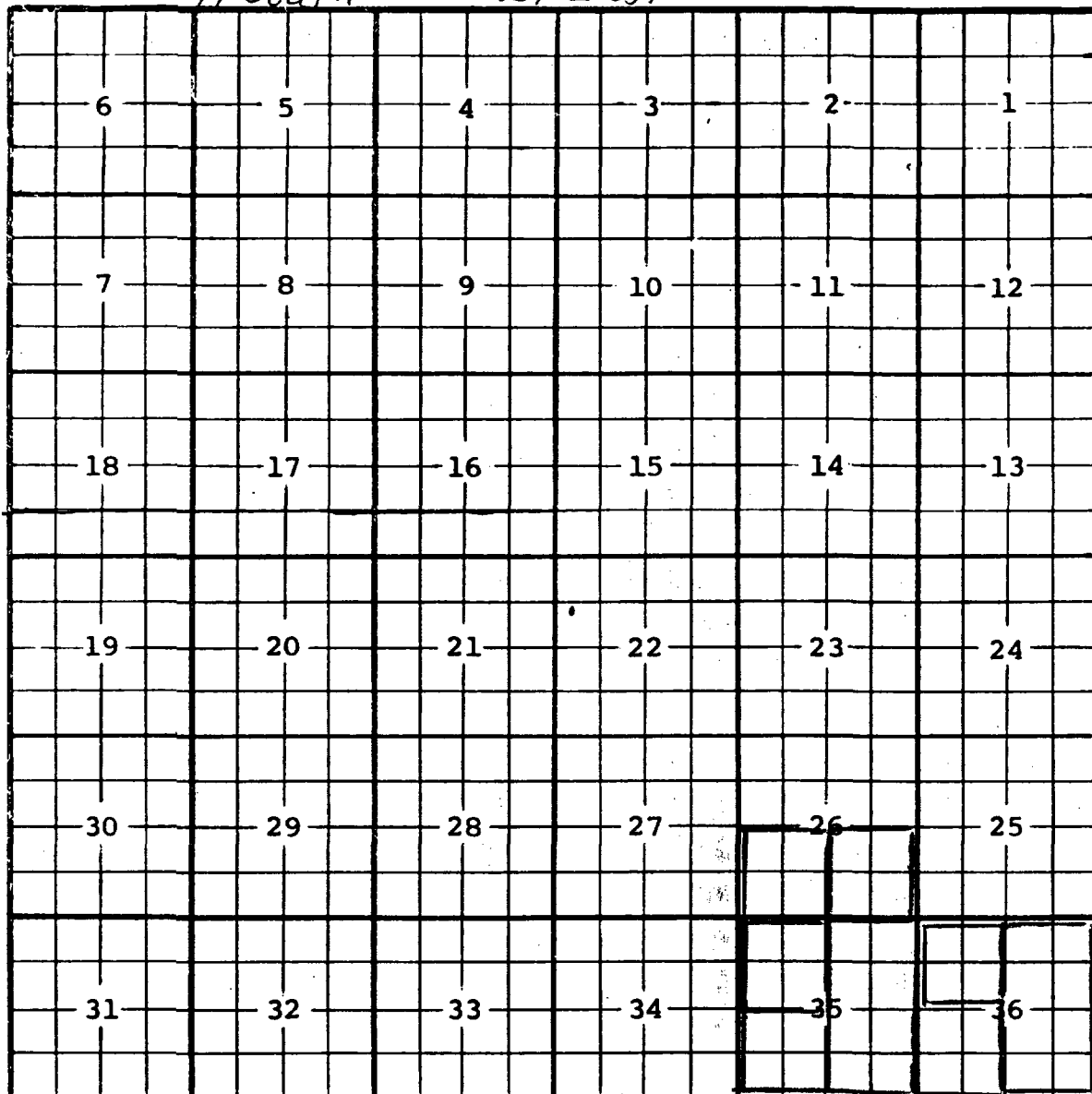
A Subsidiary of
 St. Mary Land & Exploration Co.

2003 Development/Infill Program



COUNTY Eddy POOL Parkway-Deleware

TOWNSHIP 19 South RANGE 29 East NMPM

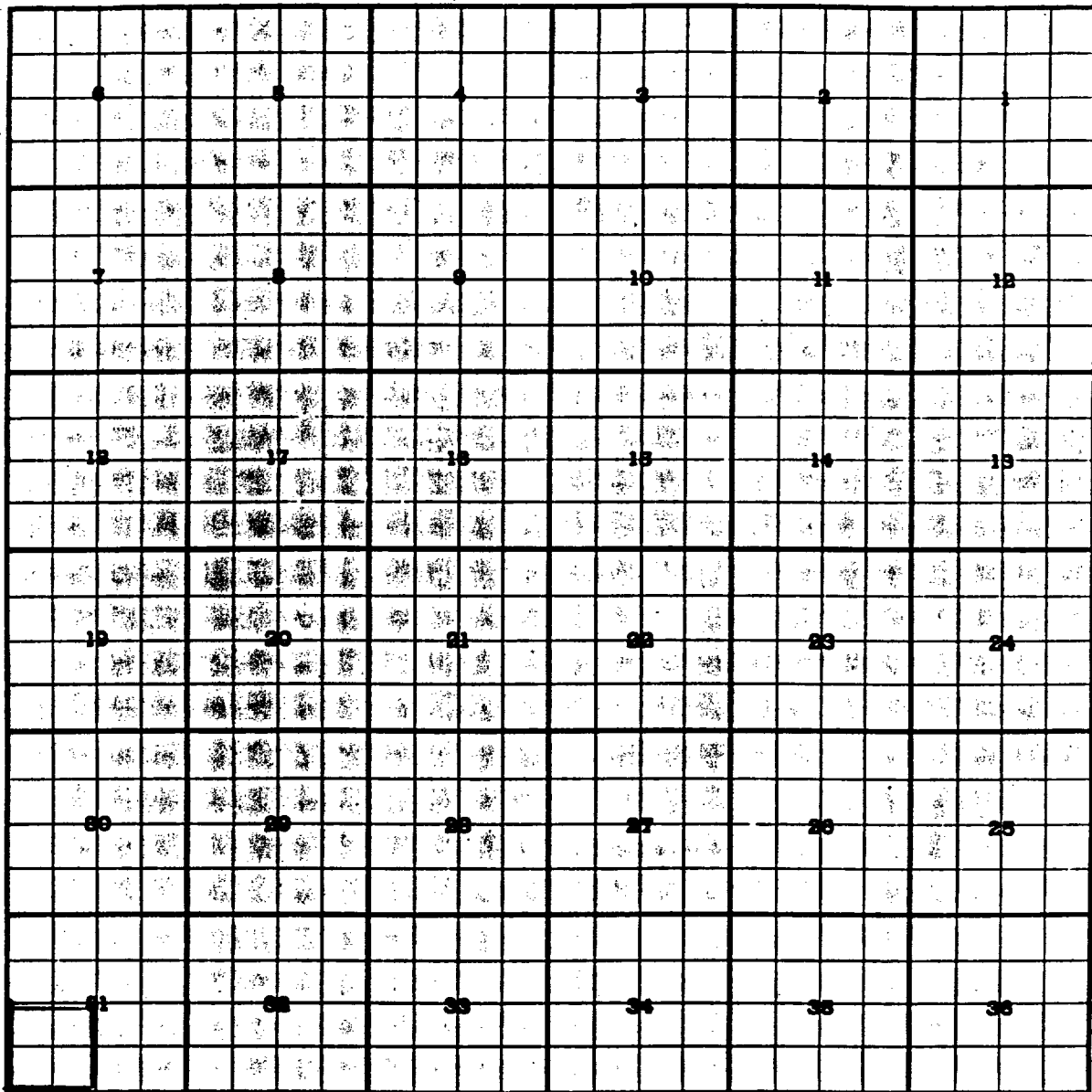


Description: NW/4 Sec. 36 (A-8455, 6-15-87) EXT: E/2 SEC 35
(R-8827, 12-22-88) EXT: SW/4 SEC 35 (R-8847, 1-10-89)
EXT: NW/4 sec 35 (R-8945, 5-31-89) EXT: SW/4 sec 36 (R-8969, 8-1-89)
EXT: SE/4 sec 26 E/2 sec 36 (R-9096, 1-1-90) EXT: SW/4 SEC 26 (R-9171, 6-1-90)

County EDDY

Pool PARKWAY-DELAWARE

TOWNSHIP 19S RANGE 30 East, NEW MEXICO PRINCIPAL MERIDIAN



EXT: SW/4 SEC 31 (R-9096, 1-1-90)

County Eddy Pool Parkway - Delaware

TOWNSHIP 20 South Range 30 East NMPM

6	5	4	3	2	1		
7	8	9	10	11	12		
18	17	16	15	14	13		
19	20	21	22	23	24		
30	29	28	27	26	25		
31	32	33	34	35	36		

Ext: NW/4 Sec. 6 (R-9625, 1-15-92)

RECEIVED

UNITED STATES

SUBMIT IN DUPLICATE*

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

(See other In-
structions on
reverse side)

OIL CONSERVATION DIV.
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. RENVR. ☐ Other _____

RECEIVED

2. NAME OF OPERATOR
MERIDIAN OIL INC.

3. ADDRESS OF OPERATOR

21 DESTA DRIVE, MIDLAND, TEXAS 79705

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

At surface 890' FNL & 990' FEL, Sec. 35, T-19-S, R-29-E

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

03/10/89

15. DATE SPUDDED 03/22/89 16. DATE T.D. REACHED 04/01/89 17. DATE COMPL. (Ready to prod.) 04/11/89 18. ELEVATIONS (OF, RKB, RT, GR, ETC.)* 3325 G.L. 19. ELEV. CASINGHEAD 3325'

20. TOTAL DEPTH, MD & TVD 4550' 21. PLUG BACK T.D., MD & TVD 4501' 22. IF MULTIPLE COMPLEMENTS, HOW MANY INTERVALS DRILLED BY 0-TD

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

4221 - 39 Delaware

APR 27 1989

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN CNL/LDT; EPT; DLL/MSFL OIL CONSERVATION DIV. SANTA FE 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
13-3/8"	48.0	359'	17-1/2"	955 sx Circ. - Surf.	
8-5/8"	24.0 & 28.0	3200'	12-1/4"	1885 sx Circ. - Surf.	
5-1/2"	14.0	4549	7-7/8"	400 sx TOC 2185'	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	4121'	4121'

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
4221'-28', 4231'-39' -- 1 JSPF 17 holes		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		4221' - 39'	Acidize w/1M gal 7 1/2% NEFE + 34 RCNBC
		4221' - 39'	Frac w/151 gal 65 qual. N ₂ foam + 37M #12-20 Ottawa Sand

33.* PRODUCTION							
DATE FIRST PRODUCTION 04/10/89		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 04/12/89	HOURS TESTED 24	CHOKES SIZE 24/64	PROD'N. FOR TEST PERIOD	OIL—BSL. 216	GAS—MCF. 126	WATER—BSL. 65	GAS-OIL RATIO 583.3
FLOW. TUBING PRESS. 155	CASING PRESSURE ---	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.) 38.8	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold TEST WITNESSED BY Sid Frymire

35. LIST OF ATTACHMENTS Plat, Cement Bond Log, Inclination Survey, C-104, Logs

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

SIGNED [Signature] TITLE Sr. Staff Env./Reg. Spec. DATE 04-14-89

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

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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Salado	400'	1200'	Salt, Anhydrite	Rustler Yates Captain Reef Delaware Sand	550'	
Tansil	1200'	1520'	Dolomite, Anhydrite		1520'	
Yates	1520'	1650'	Sand		1600'	
Seven Rivers	1650'	2000'	Anhydrite, Dolomite		3650'	
Captain	2000'	3650'	Dolomite			
Delaware	3650'	4500'	Sand			

38. GEOLOGIC MARKERS

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

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

APR 27 1989
OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

REQUEST FOR ALLOWABLE AND AUTHORIZATION NO. C. D.
TO TRANSPORT OIL AND NATURAL GAS

Operator MERIDIAN OIL INC.		Well API No. 30-015-26079
Address 21 DESTA DRIVE, MIDLAND, TEXAS 79705		
Reason(s) for Filing (Check proper box) New Well ☒ ☐ Other (Please explain) Recompletion ☐ Change in Transporter of: Change in Operator ☐ Oil ☐ Dry Gas ☐ Casinghead Gas ☐ Condensate ☐		
If change of operator give name and address of previous operator		

II. DESCRIPTION OF WELL AND LEASE

Lease Name Apache "A" Federal	Well No. 3	Pool Name, including Formation Parkway (Delaware)	Kind of Lease State, Federal or Free	Lease No. NM-61582
Location Unit Letter <u>17</u> : <u>890</u> Feet From The <u>North</u> Line and <u>990</u> Feet From The <u>East</u> Line Section <u>35</u> Township <u>19 South</u> Range <u>29 East</u> , NMPM, <u>Eddy</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐ Texaco Trading & Transportation	Address (Give address to which approved copy of this form is to be sent) P. O. Box 6196, Midland, TX 79711					
Name of Authorized Transporter of Casinghead Gas ☒ or Dry Gas ☐ Phillips Pipeline Company	Address (Give address to which approved copy of this form is to be sent) 4002 Penbrook, Odessa, TX 79762					
If well produces oil or liquids, give location of tanks.	Unit 35	Sec. 19-S	Twp. 29-E	Rge. No	Is gas actually connected? No	When? Unknown at present

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 X	Gas Well	New Well X	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded 03/22/89	Date Compl. Ready to Prod. 04/11/89	Total Depth 4550'	P.B.T.D. 4501'					
Elevations (DF, RKB, RT, GR, etc.) 3325 G.L.	Name of Producing Formation Parkway (Delaware)	Top Oil/Gas Pay 4221'	Tubing Depth 4121'					
Perforations 4221' - 28'; 4231' - 39'	Depth Casing Shoe 4549'							

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
17-1/2"	13-3/8"	359'	955 sx TOC - Surf.
12-1/4"	8-5/8"	3200'	1885 sx TOC - Surf.
7-7/8"	5-1/2"	4549'	400 sx TOC - 2185'

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 04/11/89	Date of Test 04/12-13/89	Producing Method (Flow, pump, gas lift, etc.) Flow	
Length of Test 24 hrs.	Tubing Pressure 155 psi	Casing Pressure ---	Choke Size 24/64
Actual Prod. During Test	Oil - Bbls. 216	Water - Bbls. 65	Gas- MCF 126

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.

R. L. Bradshaw, Sr.
Signature
R. L. Bradshaw, Sr. Staff Env./Reg. Spec.
Printed Name
14 April 89 (915) 686-5678
Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved APR 25 1989

By Mike Williams

Title SUPERVISOR, DISTRICT II

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.

(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)

Form approved.
Budget Bureau No. 1004-
Expires August 31, 1985

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. RESER. ☐	Other ☐				
2. NAME OF OPERATOR Meridian Oil Inc.											
3. ADDRESS OF OPERATOR 21 Desta Drive, Midland, Texas 79705											
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 990' FNL & 940' FWL, Sec. 35, T19S, R29E At top prod. interval reported below At total depth											
14. PERMIT NO.				DATE ISSUED 6/19/89							
15. DATE SPUDDED 7/13/89		16. DATE T.D. REACHED 7/25/89		17. DATE COMPL. (Ready to prod.) 8/16/89		18. ELEVATIONS (DF. RKB, RT, GR, ETC.)* 3310' GR		19. ELEV. CASINGHEAD 3310'			
20. TOTAL DEPTH, MD & TVD 4550'		21. PLUG BACK T.D., MD & TVD 4505'		22. IF MULTIPLE COMPL., HOW MANY* NA		23. INTERVALS DRILLED BY →		ROTARY TOOLS X			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4295' - 4461' Delaware								25. WAS DIRECTIONAL SURVEY MADE No			
26. TYPE ELECTRIC AND OTHER LOGS RUN DLL/M-SFL; CN-LD; Mech. Coring Tool								27. WAS WELL CORED Sidewall Core			
28. CASING RECORD (Report all strings set in well)											
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
13 3/8"		48		353'		17 1/2"		446 sx			
8 5/8"		28; 24		3200'		12 1/4"		1st 600sx; 2nd 3545 sx			
5 1/2"		15.5		4550'		7 7/8"		425 sx			
29. LINER RECORD										30. TUBING RECORD	
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT*		SCREEN (MD)		SIZE	
										2 3/8"	
										DEPTH SET (MD)	
										4474'	
										PACKER SET (MD)	
										SN @ 4475'	
31. PERFORATION RECORD (Interval, size and number) 4295' - 4461' 1 JSPF (20 Holes)										32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
										DEPTH INTERVAL (MD)	
										4295' - 4461'	
										AMOUNT AND KIND OF MATERIAL USED	
										Acidize - 1500 gal. 7 1/2" F	
										w/ 40 B.S. Frac. - 32,976	
										65 Qual. N ₂ Foam & 174M	
										# 12-20 Ottawa Sand.	
33. OIL CONSERVATION PRODUCTION											
DATE FIRST PRODUCTION 8/20/89		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 2" x 1 1/2" x 16" Insert Pump						WELL STATUS (Producing or shut-in) Producing			
DATE OF TEST 8/23/89		HOURS TESTED 24		CHOKE SIZE ---		PROD'N. FOR TEST PERIOD →		OIL—BBL. 93		GAS—MCF. 175	
								WATER—BBL. 420		GAS-OIL RATIO 1882	
FLOW, TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE →		OIL—BBL.		GAS—MCF.		WATER—BBL.	
		0								OIL GRAVITY-API (COB. 60°F.) 40.0	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented now but to be sold.										TEST WITNESSED BY Sid Frymire	
35. LIST OF ATTACHMENTS Logs, plat, inclination survey, temp. survey, C-104											
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records											

SIGNED Robert L. Brads Law TITLE Sr. Staff Env./Reg. Spec. DATE 9/22/89

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

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.

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.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
	1484'	1526'	Sidewall Core (Log Attached)	Base Salt Yates Seven Rivers Delaware	1122' 1480' 1619' 3680'	

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

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

90 SEP 21 1990 AM 10 17

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

I.

Operator Siete Oil and Gas Corporation ✓	Well API No. 30-015-26433
Address POB 2523, Roswell, NM 88202-2523	
Reason(s) for Filing (Check proper box) ☐ Other (Please explain)	
New Well ☒	Change in Transporter of:
Recompletion ☐	Oil ☐ Dry Gas ☐
Change in Operator ☐	Casinghead Gas ☐ Condensate ☐
11/27/90	
If change of operator give name and address of previous operator	

II. DESCRIPTION OF WELL AND LEASE

Lease Name Flathead State	Well No. 1	Pool Name, Including Formation Parkway Delaware	Kind of Lease State, Federal or Fee	Lease No. LG-4525
Location				
Unit Letter B	: 330	Feet From The North	Line and 1650	Feet From The East
Section 2	Township 20S	Range 29E	NMPM,	Eddy County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil Conoco, Inc. ☒ or Condensate ☐	Address (Give address to which approved copy of this form is to be sent) 10 Desta Dr., Rm 528-W, Midland, TX 79705					
Name of Authorized Transporter of Casinghead Gas Delaware Natural Gas Company ☒ or Dry Gas ☐	Address (Give address to which approved copy of this form is to be sent) 911 Jollyville Rd. #215, Austin, TX 78759					
If well produces oil or liquids, give location of tanks.	Unit B	Sec. 2	Twp. 20S	Rge. 29E	Is gas actually connected? No	When? ASAP

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 X	Gas Well	New Well X	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded 7/26/90	Date Compl. Ready to Prod. 8/23/90		Total Depth 4500'		P.B.T.D. 4455'			
Elevations (DF, RKB, RT, GR, etc.) 3320' GR	Name of Producing Formation Delaware		Top Oil/Gas Pay 4118'		Tubing Depth 4021'			
Perforations 4118'-4146', 14 perfs					Depth Casing Shoe 4500'			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
26"	20"		340'		570 sxs (1" w/ 190 sxs)			
17 1/2"	13 3/8"		1250'		930 sxs			
12 1/4"	8 5/8"		3000'		1100 sxs			
7 7/8"	5 1/2"		4500'		600 sxs			

V. TEST DATA AND REQUEST FOR ALLOWABLE 2 3/8" tbg set @ 4021'

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 8/23/90	Date of Test 9/3/90	Producing Method (Flow, pump, gas lift, etc.) 160 Mark-4 pumping unit	
Length of Test 24 hrs	Tubing Pressure N/A	Casing Pressure N/A	Choke Size N/A
Actual Prod. During Test 180	Oil - Bbls. 52	Water - Bbls. 128	Gas- MCF 50 (est)

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.

Cathy Batley-Seely
Signature
Cathy Batley-Seely, Drilling Technician
Printed Name
9/20/90
Date
622-2202
Telephone No.

OIL CONSERVATION DIVISION

Date Approved SEP 26 1990

By M. A. Williams
Title SUPERVISOR, DISTRICT II

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.

Submit to Appropriate
District Office

State Lease - 6 copies

Fee Lease - 5 copies

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

ON DIVISION
WED
AM 10:11

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-105
Revised 1-1-89

SEP 21 '90

WELL API NO.	30-015-26433
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil & Gas Lease No.	LG-4525

WELL COMPLETION OR RECOMPLETION REPORT AND LOG. D.

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____	7. Lease Name or Unit Agreement Name Flathead State			
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIPP RESVR ☐ OTHER _____	8. Well No. 1			
2. Name of Operator Siete Oil and Gas Corporation	9. Pool name or Wildcat Parkway Delaware			
3. Address of Operator POB 2523, Roswell, NM 88202-2523				
4. Well Location Unit Letter B : 330 Feet From The North Line and 1650 Feet From The East Line Section 2 Township 20S Range 29E NMPM Eddy County				
10. Date Spudded 7/26/90	11. Date T.D. Reached 8/6/90	12. Date Compl. (Ready to Prod.) 8/23/90	13. Elevations (DF& RKB, RT, GR, etc.) 3320' GR	14. Elev. Casinghead 3327'
15. Total Depth 4500'	16. Plug Back T.D. 4455'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools X	Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 4118'-4146' w/14 perfs, Delaware				20. Was Directional Survey Made No
21. Type Electric and Other Logs Run CNL-LDT-GR-Calip, DLL/MSFL, EPT				22. Was Well Cored No

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	94#	340'	26"	570 sxs (1" w/190 sxs)	
13 3/8"	54.5#	1250'	17 1/2"	930 sxs	
8 5/8"	32# & 24#	3000'	12 1/4"	1100 sxs	
5 1/2"	15.5#	4500'	7 7/8"	600 sxs	

10. Date Spudded 7/26/90	11. Date T.D. Reached 8/6/90	12. Date Compl. (Ready to Prod.) 8/23/90	13. Elevations (DF& RKB, RT, GR, etc.) 3320' GR	14. Elev. Casinghead 3327'
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15. Total Depth 4500'	16. Plug Back T.D. 4455'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools X	Cable Tools
--------------------------	-----------------------------	--	--	-------------

19. Producing Interval(s), of this completion - Top, Bottom, Name 4118'-4146' w/14 perfs, Delaware				20. Was Directional Survey Made No
---	--	--	--	---------------------------------------

21. Type Electric and Other Logs Run CNL-LDT-GR-Calip, DLL/MSFL, EPT				22. Was Well Cored No
---	--	--	--	--------------------------

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	94#	340'	26"	570 sxs (1" w/190 sxs)	
13 3/8"	54.5#	1250'	17 1/2"	930 sxs	
8 5/8"	32# & 24#	3000'	12 1/4"	1100 sxs	
5 1/2"	15.5#	4500'	7 7/8"	600 sxs	

24. LINER RECORD				25. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	4021'	4021' (SN)

26. Perforation record (interval, size, and number) 4118'-4146' - 14 perfs			27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
			DEPTH INTERVAL			AMOUNT AND KIND MATERIAL USED		
			4118'-4146'			1000 gal 15% HCl, 17000 gal		
						30# XL, 2000# 100 mesh, 23300#		
						20/40, 8300# 12/20 RCS		

28. PRODUCTION							
Date First Production 8/23/90		Production Method (Flowing, gas lift, pumping - Size and type pump) 160 Mark-4				Well Status (Prod. or Shut-in) Producing	
Date of Test 9/3/90	Hours Tested 24	Choke Size N/A	Prod'n For Test Period	Oil - Bbl. 52	Gas - MCF 50 (est)	Water - Bbl. 128	Gas - Oil Ratio 962/1
Flow Tubing Press. N/A	Casing Pressure N/A	Calculated 24-Hour Rate	Oil - Bbl. 52	Gas - MCF 50 (est)	Water - Bbl. 128	Oil Gravity - API - (Corr.) 38.0	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented - Pending gas contract w/Delaware Natural Gas Co.					Test Witnessed By Jim Ikard		
--	--	--	--	--	--------------------------------	--	--

30. List Attachments Deviation Surveys & Logs							
--	--	--	--	--	--	--	--

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief							
--	--	--	--	--	--	--	--

Signature Cathy Seely	Printed Name Cathy Seely	Title DLC Tech	Date 9/20/90
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OIL CONSERVATION DIVISION

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

JAN 19 '89

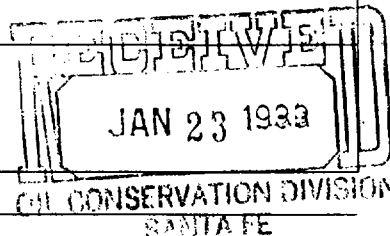
DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

O. C. D.
ARTESIA OFFICE

Operator Siete Oil & Gas Corporation ✓	Well API No. 30-015-26029
Address P.O. Box 2523 Roswell, New Mexico 88202-2523	
Reason(s) for Filing (Check proper box) ☐ Other (Please explain)	
New Well ☒	Change in Transporter of:
Recompletion ☐	Oil ☐ Dry Gas ☐
Change in Operator ☐	Casinghead Gas ☐ Condensate ☐
If change of operator give name and address of previous operator	



II. DESCRIPTION OF WELL AND LEASE

Lease Name Osage Federal	Well No. 5	Pool Name, Including Formation Parkway Delaware	Kind of Lease State, Federal or Fee	Lease No. NM-24160
Location Unit Letter L : 1980 Feet From The South Line and 760 Feet From The West Line Section 35 Township 19S Range 29E, NMPM, Eddy County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☒ or Condensate ☐ Conoco, Inc.	Address (Give address to which approved copy of this form is to be sent) P.O. Box 460 Hobbs, NM 88241					
Name of Authorized Transporter of Casinghead Gas ☒ or Dry Gas ☐ Phillips Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) Bartlesville, Oklahoma					
If well produces oil or liquids, give location of tanks.	Unit J	Sec. 35	Twp. 19S	Rge. 29E	Is gas actually connected? Yes	When? 1/1/89

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 11/30/88	Date Compl. Ready to Prod. 1/10/89		Total Depth 5000'		P.B.T.D. 4958'			
Elevations (DF, RKB, RT, GR, etc.) 3319' GR	Name of Producing Formation Parkway Delaware		Top Oil/Gas Pay 4135'		Tubing Depth 4903'			
Perforations 4135' - 4150'					Depth Casing Shoe 5000'			

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
26"	20"	172'	200 sks (1" to surface)
17 1/2"	13 3/8"	364'	500 sks (1" to surface)
12 1/4"	8 5/8"	3200'	800 sks (did not circ)
7 7/8"	5 1/2"	5000'	450 sks

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 1/10/89	Date of Test 1/10/89	Producing Method (Flow, pump, gas lift, etc.) 114D Lufkin Pumping Unit	
Length of Test 22 hrs	Tubing Pressure N/A	Casing Pressure N/A	Choke Size N/A
Actual Prod. During Test 145	Oil - Bbls. 62	Water - Bbls. 83	Gas- MCF 89 (Est)

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.

Cathy D. Batley
Signature
Cathy D. Batley Drilling & Production Sec.
Printed Name
1/16/89 505/622-2202
Date Telephone No.

OIL CONSERVATION DIVISION

Date Approved JAN 19 1989
By [Signature]
Title SUPERVISOR, DISTRICT II

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions on reverse side)

Expires August 31, 1988

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: ☒ OIL WELL ☐ GAS WELL ☐ DRY ☐ Other _____

1b. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PILL BACK ☐ DIFF. SHAVE ☐ Other _____

2. NAME OF OPERATOR

Siete Oil & Gas Corporation

3. ADDRESS OF OPERATOR

P.O. Box 2523 Roswell, New Mexico 88202-2523

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

At surface 1980' FSL & 760' FWL, NW $\frac{1}{4}$ SW $\frac{1}{4}$, Unit Letter L

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

30-015-26029

DATE ISSUED

12/6/88

15. DATE SPUDDED

11/30/88

16. DATE T.D. REACHED

12/17/88

17. DATE COMPL. (Ready to prod.)

1/10/89

18. ELEVATIONS (DP, RND, BT, UB, ETC.)*

3319' GR

19. SLEV. CASING

3328' KR

20. TOTAL DEPTH, MD & TVD

5000'

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

4958'

22. IF MULTIPLE COMPL., HOW MANY*

N/A

23. INTERVALS DRILLED BY

ROTARY TOOL

Yes

CABLE TOOL

N/A

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

4135'-4150' Delaware

25. WAS DIRECT SURVEY MADE*

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL/LDT, DLL/MSFL, EPT, Volan & CBL

27. WAS WELL CORRECTED

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	AMOUNT CEMENTING RECORD	AMOUNT PULLED
20"	13.3#	172'	26"	200 sks (1" to surface)	
13 3/8"	54.5#	364'	17 1/2"	500 sks (1" to surface)	
8 5/8"	24#	3200'	12 1/4"	800 sks (did not circ)	
5 1/2"	15.5#	5000'	7 7/8"	450 sks	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	4093'	4093' (SN)

31. PERFORATION RECORD (Interval, size and number)

4135'-4150' w/ 11 perfs (Delaware)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4135'-4150'	acid 2000 gal 15% HCl, frac 15,000 gal 30# XL, 2000# 100 mesh, 19,440 20/40, 8400# 12/20

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
1/10/89		114D Lufkin Pumping Unit				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
1/10/89	22	N/A		62	89 (Est)	83	1316/1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CONV.)	
N/A	N/A		68	89 (Est)	90	39.6	

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

Sold (Phillips 66)

TEST WITNESSED BY

Jim Ikard

35. LIST OF ATTACHMENTS

2 Copies Openhole Logs & Deviation Surveys

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

SIGNED

Cathy D. Butler

TITLE

Drilling & Production Secretary

DATE 1/16/89

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

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.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Delaware	4000'	4400'	Mudlog shows of oil and gas.	Rustler T/Salt B/Salt Yates Delaware Sand	392' 480' 1130' 1325' 3362'	+2935' +2847' +2197' +2002' - 35'

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

OIL CONSERVATION DIVISION

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

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

JAN 30 '89

REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Operator Siete Oil & Gas Corporation ✓	Well API No. 30-015-26006
Address P.O. Box 2523 Roswell, NM 88202-2523	
Reason(s) for Filing (Check proper box) ☐ Other (Please explain)	
New Well ☒	Change in Transporter of:
Recompletion ☐	Oil ☐ Dry Gas ☐
Change in Operator ☐	Casinghead Gas ☐ Condensate ☐
If change of operator give name and address of previous operator	

II. DESCRIPTION OF WELL AND LEASE

Lease Name Renegade Federal	Well No. 3	Pool Name, Including Formation Parkway Delaware	Kind of Lease State, Federal or Fee	Lease No. NM-24160
Location Unit Letter <u>E</u> : <u>2230</u> Feet From The <u>North</u> Line and <u>760</u> Feet From The <u>West</u> Line Section <u>35</u> Township <u>19S</u> Range <u>29E</u> , <u>NMPM</u> , <u>Eddy</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil Conoco, Inc. ☒ or Condensate ☐	Address (Give address to which approved copy of this form is to be sent) P.O. Box 460 Hobbs, NM 88240					
Name of Authorized Transporter of Casinghead Gas Phillips Natural Gas Company ☒ or Dry Gas ☐	Address (Give address to which approved copy of this form is to be sent) Bartlesville, Oklahoma					
If well produces oil or liquids, give location of tanks.	Unit F	Sec. 35	Twp. 19S	Rge. 29E	Is gas actually connected? Yes	When? 1/1/89

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 X	Gas Well	New Well X	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
Date Spudded 11/15/88	Date Compl. Ready to Prod. 1/20/89		Total Depth 5000'		P.B.T.D. 4298'			
Elevations (DF, RKB, RT, GR, etc.) 3312' GR	Name of Producing Formation Delaware		Top Oil/Gas Pay 4127'		Tubing Depth 4103'			
Perforations 4127'-4142' 4328-4349 4557-4578					Depth Casing Shoe 5000'			
TUBING, CASING AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
17 1/2"	13 3/8"		363'		700 sks circ			
12 1/4"	8 5/8"		3202'		790 sks (1" to surface)			
7 7/8"	5 1/2"		5000'		450 sks			
	2 3/8"		4103'					

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 1/20/89	Date of Test 1/26/89	Producing Method (Flow, pump, gas lift, etc.) 114D Pumping Unit	
Length of Test 24 hrs	Tubing Pressure N/A	Casing Pressure N/A	Choke Size N/A
Actual Prod. During Test 130	Oil - Bbls. 50	Water - Bbls. 80	Gas - MCF 62 (Est)

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 Cathy D. Batley
Cathy D. Batley Drilling & Production
Printed Name 1/27/89 Title (505)622-2202
Date _____ Telephone No. _____

OIL CONSERVATION DIVISION

Date Approved JAN 31 1989
By THOMAS W. Williams
Title MANAGER, DISTRICT II

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

57

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 ☐ REPERFORATE ☐ PLUG BACK ☐ DIFF. SERVICE ☐ Other ☐

3. NAME OF OPERATOR

Siete Oil & Gas Corporation

4. ADDRESS OF OPERATOR

P.O. Box 2523 Roswell, NM 88202-2523

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

At surface 2230' FNL & 760' FWL, SW 1/4 NW 1/4, Unit Letter E

At top prod. interval reported below Same

At total depth Same

O. C. D.
ARTESIA, OFFICE

14. PERMIT NO.

DATE ISSUED

30-015-26006

11/3/88

15. DATE SPUN

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (OF, B.S., AT, OR, ETC.)

19. BLEV. CASINGHEAD

11/15/88

11/29/88

1/20/89

3312' GR

3319' KB

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

5000'

4298'

N/A

Yes

Yes

No

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

25. WAS DIRECTIONAL
SURVEY MADE

4127'-4142'

Delaware

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED

DLL/MSFL, LDT/CNL, Cyberlook & Volan

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	MOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8"	48#	363'	17 1/2"	700 sks circ	
8 5/8"	24# & 32#	3202'	12 1/4"	790 sks (1" to surface)	
5 1/2"	15.5#	5000'	7 7/8"	450 sks	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKED CEMENT	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	4103'	4524' SN

31. PERFORATION RECORD (Interval, size and number)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4557'-4578'	1000ga. 15% HCl, 18000ga. 30# XL, 2000 mesh, 27000#20/40, 12000#12/20
4328'-4349'	same as above except 17000ga. 30# XL
4127'-4142'	same acid, 14000ga. 30# XL, 2000# 100 mesh, 20000#20/40, 8000#12/20

33. PRODUCTION

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

TEST WITNESSED BY

Sold - Phillips Natural Gas Company

Jim Ikard

35. LIST OF ATTACHMENTS

2 copies of openhole logs & deviation surveys

ACCEPTED FOR RECORD
SJS

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

SIGNED

Cathy D. Bailey

TITLE Drilling & Production

DATE

FEB 8 1989

1/27/89

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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Delaware	4127'	4142'	Shows of oil and gas on mudlog.	Rustler T/Salt B/Salt Yates Del. Sand	403' 502' 1130' 1335' 3345'	+ 2916' + 2817' + 2189' + 1984' - 26'

38. GEOLOGIC MARKERS