

30-039-24486

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
MAIL ROOM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-079012
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR MERIDIAN OIL INC.	7. UNIT AGREEMENT NAME SAN JUAN 31-6 UNIT
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME SAN JUAN 31-6 UNIT
4. LOCATION OF WELL 1690'N 1450'E	9. WELL NO. 205
14. DISTANCE IN MILES FROM NEAREST TOWN 15 MILES FROM GOVERNADOR	10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL
15. DISTANCE FROM PROPOSED LOCATION 1450' TO NEAREST PROPERTY OR LEASE LINE.	11. SEC. T. R. M OR BLK. G SEC. 4 T30N R06W NMPM
16. ACRES IN LEASE 639.84	12. COUNTY 13. STATE RIO ARRIBA NM
17. ACRES ASSIGNED TO WELL 320.00	18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. COMPL., OR APPLIED FOR ON THIS LEASE.
19. PROPOSED DEPTH 320'	20. ROTARY OR CABLE TOOLS ROTARY
21. ELEVATIONS (DF, FT, GR, ETC) 6441'GL	22. APPROX. DATE WORK WILL START
23. PROPOSED CASING AND CEMENTING PROGRAM	
*SEE OPERATIONS PLAN	
24. AUTHORIZED BY: <i>Ray Brackley</i> REGULATORY AFFAIRS	DATE: 5-2-89

This action is subject to technical and
procedural review pursuant to BLM 5165.3
and appropriate to the District Office.

RECEIVED

MAY 17 1989

OIL CON. DIV.
DIST. 3

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

APPROVED
AS AMENDED

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3. MAY 11 1989

AREA MANAGER

Well Name: 205 SAN JUAN 31-6 UNIT
 Sec. 4 T30N R06W
 BASIN FRUITLAND COAL

1690'N 1450'E
 RIO ARriba NEW MEXICO
 Elevation 6441'GL

Formation tops: Surface- SAN JOSE
 Ojo Alamo- 2445
 Kirtland- 2565
 Fruitland- 3035
 Fruitland Coal Top- 3125
 Fruitland Coal Base- 3278
 Intermediate TD- 3105
 Total Depth- 3320
 Pictured Cliffs- 3280

Logging Program: Mud logs from intermediate to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 3105	Non-dispersed	8.4 - 9.1	30-60	no control
	3105 - 3320	Formation Water	8.4		no control

Casing Program:	Hole Size	Depth Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 200	9 5/8"	32.3#	H-40
	8 3/4"	0 - 3105	7"	20.0#	K-55
	6 1/4"	3055 - 3320	5 1/2"	15.5#	K-55
Tubing Program:		0 - 3320	2 7/8"	6.5#	J-55

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe.

7" intermediate casing - guide shoe and self-fill insert float valve. Three centralizers run every other joint above shoe. Run insert float one joint above the guide shoe.

5 1/2" production casing - float shoe on bottom and a pre-drilled liner run to the 7" casing with a minimum 50' overlap. Liner hanger is a double slip grip type.

Wellhead Equipment: 9 5/8" x 7" x 2 7/8" x 11" 3000 psi xmas tree assembly.

Cementing:

9 5/8" surface casing - cement with 106 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (125 cu ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

7" intermediate casing - lead with 42 sacks of 65/35 class "B" poz with 6% gel, 2% calcium chloride and 1/2 cu.ft. Perlite/sack (10.3 gallons of water/sack) tail with 100 sacks of class "B" with 2% calcium chloride. 198 lu ft. of slurry, 100% excess to cover the Ojo Alamo. Run temperature survey at 8 hours. WOC 12 hours. Test casing to 1500 psi for 30 minutes.

5 1/2" liner - do not cement.

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

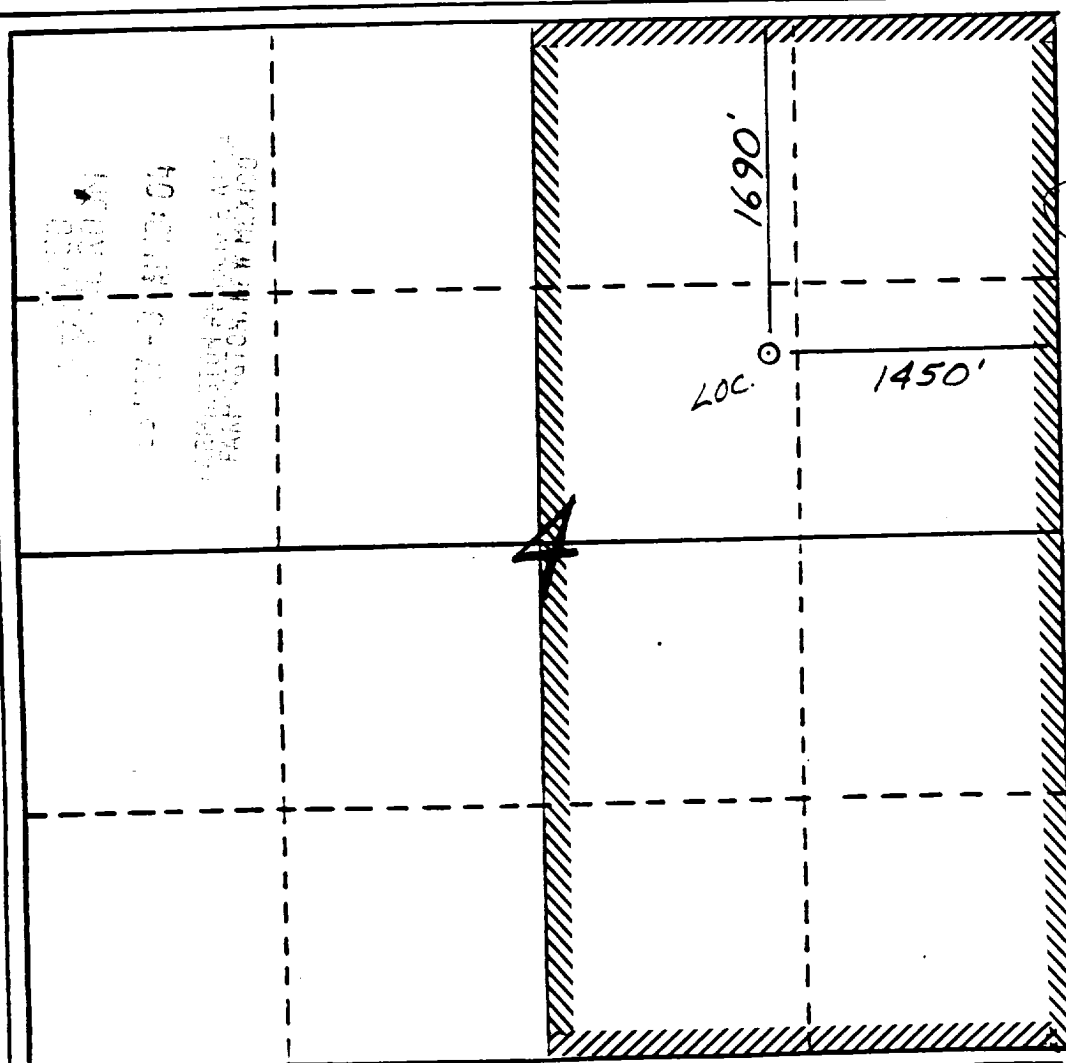
Operator Meridian Oil Inc.			Lease San Juan 31-6 Unit (SF-079012)		Well No. 205
Unit Letter G	Section 4	Township 30 North	Range 6 West	County Rio Arriba	
Actual Footage Location of Wells 1690 feet from the North line and 1450 feet from the East line					
Ground Level Elev. 6441'	Producing Formation Fruitland Coal		Pool Basin		Dedicated Acreage: 320.00

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 work 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 Unitization

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, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION

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

Neale C. Edwards

Name
Regulatory Affairs

Position
Meridian Oil Inc.

Company
5-2-89

Date

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

Neale C. Edwards

Date Surveyed
11-22-88

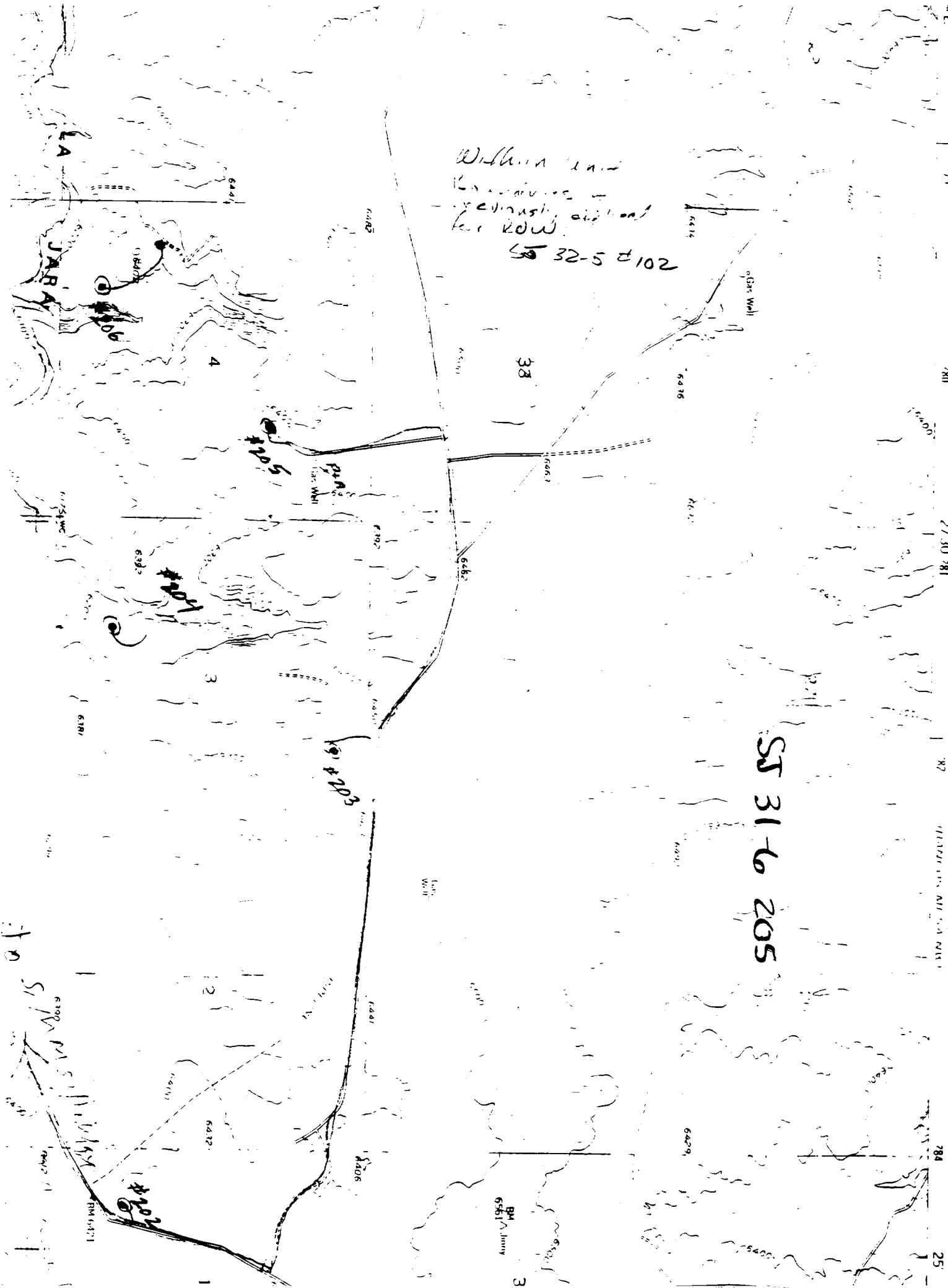
Registered Professional Engineer and/or Land Surveyor

Neale C. Edwards

Certificate No.
6857

Within land
boundary
revised
for ROW
32-5 & 102

ST 31-6 205



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

1. TYPE OF WELL GAS	5. LEASE NUMBER SF-079012
2. OPERATOR MERIDIAN OIL INC.	6. IF INDIAN, ALL. OR TRIBE NAME
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	7. UNIT AGREEMENT NAME SAN JUAN 31-6 UNIT
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14. PERMIT NO.	15. ELEVATIONS 6441'GL
	12. COUNTY RIO ARRIBA
	13. STATE NM

16. SUBSEQUENT REPORT OF: SPUD

17. Describe proposed or completed operations

SPUD DATE: 051589 SPUD TIME: 1930

TD 247' Ran 5 jts of 9 5/8" 36.0# K-55 casing, 229' set @ 241'
Cemented with 150 sacks of Class B cement with 1/4#
Flocele/sack and 3% calcium chloride, (177 cu ft.).
Circulated 3 bbl to surface. WOC 12 hours.
Pressure tested to 600 psi for 30 minutes. Held OK.

18. AUTHORIZED BY:

REGULATORY AFFAIRS

DATE

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-5

(This space for Federal or State office use)

APPROVED BY
CONDITION OF APPROVAL, IF ANY:

TITLE

DATE
BY