

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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LAND OFFICE		
TRANSPORTER	OIL	
	GAS	
OPERATOR		
PRODUCTION OFFICE		

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-01-78
Format 06-01-83
Page 1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator
Meridian Oil Inc.

Address
P. O. Box 4289, Farmington, NM 87499

Reason(s) for filing (Check proper box)

<input type="checkbox"/> New Well	Change in Transporter of:	<input type="checkbox"/> Dry Gas
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Oil	<input checked="" type="checkbox"/> Condensate
<input checked="" type="checkbox"/> Change in Ownership	<input type="checkbox"/> Casinghead Gas	

Other (Please explain)
Meridian Oil Inc. is Operator for El Paso Production Company

If change of ownership give name and address of previous owner El Paso Natural Gas Company, P. O. Box 4289, Farmington, NM 87499

II. DESCRIPTION OF WELL AND LEASE

Lease Name Harrington	Well No. 6	Pool Name, including Formation Blanco Mesa Verde	Kind of Lease State, Federal or Fee	Lease No. SF 080511
Location Unit Letter <u>K</u> : <u>2090</u> Feet From The <u>South</u> Line and <u>2295</u> Feet From The <u>West</u> Line of Section <u>31</u> Township <u>27N</u> Range <u>7W</u> , NMPM, <u>Rio Arriba</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Meridian Oil Inc.	Address (Give address to which approved copy of this form is to be sent) P. O. Box 4289, Farmington, NM 87499
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> El Paso Natural Gas Company	Address (Give address to which approved copy of this form is to be sent) P. O. Box 4289, Farmington, NM 87499
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	K 31 27N 7W

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

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. 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 is true and complete to the best of my knowledge and belief.

Roggy Doad
(Signature)
Drilling Clerk
(Title)
11-1-86
(Date)

OIL CONSERVATION DIVISION

APPROVED NOV 01 1986, 19

BY [Signature]

TITLE SUPERVISION 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 deep well, this form must be accompanied by a tabulation of the deviator tests taken on the well in accordance with RULE 111.

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

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

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

RECEIVED
NOV 01 1986
OIL CONSERVATION DIVISION

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

NOTICE OF GAS CONNECTION

DATE DECEMBER 18, 1985

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

GAS FROM EL PASO NATURAL GAS CO
OperatorHARRINGTON #6

Well Name

95-609-01

Meter Code

23307-01

Site Code

K

Well Unit

31-27-7

S-T-R

BLANCO MESAVERDE

Pool

EL PASO NATURAL GAS CO.

Name of Purchaser

WAS MADE ON November 25, 1985
DateFIRST DELIVERY December 5, 1985
DateAOF -CHOKE 466EL PASO NATURAL GAS CO.

Purchaser

Representative

Title

xc: OPERATOR
OIL CONSERVATION COMMISSION - (2)
PRODUCTION CONTROL - El Paso
LEASE DEVELOPMENT - El Paso
CONTRACT ADMINISTRATION - El Paso

FILE

F-
039
EPG

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

Form C-122
 Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special				Test Date 10-28-85	
Company El Paso Natural Gas				Connection	
Pool Blanco		Formation Mesa Verde		Unit	
Completion Date 10-28-85		Total Depth 4941		Plug Back TD 4929	
Elevation 6001 GR		Farm or Lease Name Harrington			
Csg. Size 7.000	Wt. 20	d 6.456	Set At 4940	Perforations: From *4459 To 4817	
Trq. Size 2.375	Wt. 4.7	d 1.995	Set At 4792	Perforations: From To	
Type Well - Single - Broadhead - G.C. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tbg.		Reservoir Temp. °F 8		Mean Annual Temp. °F 12	
Baro. Press. - P _a 12		State New Mexico			
L	H	G _g .690	% 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	
51							320		1120		7 Days
1.											
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							
2							
3							
4							
5							

NO.	P _t	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

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1				
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \quad (2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$$

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

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope _____	Slope, n _____
--	----------------------	----------------

Remarks: 4.500 Liner from 2279 - 4940

Approved by Commission:	Conducted By:	Calculated By: Cliff Brock	Checked By: kld
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STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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NOV 15 1985
OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-104
Revised 10-01-78
Format 08-01-83
Page 1

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I.

Operator
El Paso Natural Gas Company

Address
P. O. Box 4289, Farmington, NM 87499

Reason(s) for filing (Check proper box)

<input checked="" type="checkbox"/> New Well	Change in Transporter of:	
<input type="checkbox"/> Recompletion	<input type="checkbox"/> Oil	<input type="checkbox"/> Dry Gas
<input type="checkbox"/> Change in Ownership	<input type="checkbox"/> Casinghead Gas	<input type="checkbox"/> Condensate

Other (Please explain)

If change of ownership give name
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Harrington	Well No. 6	Pool Name, including Formation Blanco Mesa Verde	Kind of Lease State (Federal) or Fee	Lease SF 080511
Location				
Unit Letter <u>K</u> : <u>2090</u> Feet From The <u>South</u> Line and <u>2295</u> Feet From The <u>West</u>				
Line of Section <u>31</u> Township <u>27N</u> Range <u>7W</u> , NMPM. Rio Arriba				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS


Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	P. O. Box 4289, Farmington, NM 87499
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
El Paso Natural Gas Company	P. O. Box 4289, Farmington, NM 87499
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	K 31 27N 7W No

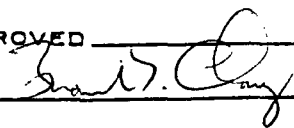
If this production is commingled with that from any other lease or pool, give commingling order number:

NOTE: Complete Parts IV and V on reverse side if necessary.

VI. 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 is true and complete to the best of my knowledge and belief.


(Signature)
Drilling Clerk
(Title)
11-4-85
(Date)

OIL CONSERVATION DIVISION
APPROVED  19
BY
TITLE

This form is to be filed in compliance with RULE 1104.
If this is a request for allowable for a newly drilled or de-
well, this form must be accompanied by a tabulation of the de-
tests taken on the well in accordance with RULE 111.
All sections of this form must be filled out completely for
able on new and recompleted wells.
Fill out only Sections I, II, III, and VI for changes of
well name or number, or transporter, or other such change of con-
Separate Forms C-104 must be filed for each pool in m-
compleated wells.

IV. COMPLETION DATA

Designate Type of Completion - (X)		Oil well	Gas well	New well	Workover	Deepen	Plug Back	Same Res'y.	DILL
			X	X					/
Date Spudded 10-9-85	Date Compl. Ready to Prod. 10-28-85		Total Depth 4941'		P.B.T.D. 4908'				
Elevations (DF, RKB, RT, CR, etc.) 6001' GL	Name of Producing Formation Blanco Mesa Verde		Top Oil/Gas Pay 4459'		Tubing Depth 4792'				
Perforations 4564, 4575, 4584, 4598, 4611, 4629, 4648, 4655, 4688, 4696, 4704, 4711, 4728, 4750, 4765, 4786, 4817, w/17 SPZ. 2nd stage 4459, 4462, 4465						Depth Casing Shoe 4940'			
Continued Perf's Listed Below TUBING, CASING, AND CEMENTING RECORD									
HOLE SIZE		CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
12 1/4"		9 5/8"		223'		325 cu ft			
8 3/4"		7"		2436'		504 cu ft			
6 1/4"		4 1/2" Liner		2279-4940'		510 cu ft			
		2 3/8"		4792'					

V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top able 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 SI 7 Days		Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-In) SI 320		Casing Pressure (Shut-In) SI 1120	Choke Size

* Continued Perf's:

4468, 4471, 4474, 4477, 4482, 4485, 4488, 4499, 4502, 4518, 4522, 4477, 4482, 4485, 4488, 4499, 4502, 4518, 4522, 4526, 4530 w/16 SPZ.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

LEASE DESIGNATION AND SERIAL NO.

SF 080511

IF INDIAN, ALLOTTEE OR TRIBE NAME

UNIT AGREEMENT NAME

FARM OR LEASE NAME

Harrington

WELL NO.

6

FIELD AND POOL, OR WILDCAT

Blanco Mesa Verde

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

Sec. 31, T-27-N, R-7-W
NMMPM

COUNTY OR PARISH

Rio Arriba

STATE

NM

1. TYPE OF WELL:

OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐

2. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP EN ☐ PLUG BACK ☐ DIFF. REPAIR ☐ Other ☐

3. NAME OF OPERATOR

El Paso Natural Gas Company

4. ADDRESS OF OPERATOR

P. O. Box 4289, Farmington, NM 87499

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

At surface 2090'S, 2295'W

At top prod. interval reported below

At total depth

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

PERMIT NO.

DATE ISSUED

15. DATE SPUNDED

10-9-85

16. DATE REACHED

10-16-85

17. DATE COMPL. (Ready to prod.)

10-28-85

18. ELEVATIONS (DF. RNB. RT. GR. ETC.)*

6001' GL

19. ELEV. CASINGHEAD

6001'

20. TOTAL DEPTH, MD & TVD

4941'

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

4908'

22. IF MULTIPLE COMPL., HOW MANY*

One

23. INTERVALS DRILLED BY

ROTARY TOOLS

Rotary

CABLE TOOLS

No

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

4459-4817' (Blanco Mesa Verde)

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Correlation GR-L; Ind. Elec. L; Temp. ; Comp. Density Sidewall NL; Temp S.

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
9 5/8"	32.3#	223'	12 1/4"	325 cu ft	
7"	20.0#	2436'	8 3/4"	504 cu ft	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2"	2279'	4940'	510 cu ft		2 3/8"	4792'	

31. PERFORATION RECORD (Interval, size and number) Pressure

test to 3500 psi-ok. Perf'd 4564, 4575, 4584, 4598, 4611, 4629, 4648, 4655, 4688, 4696, 4704, 4711, 4728, 4750, 4765, 4786, 4817, w/17 SPZ. 2nd stage 4459, 4462, 4465, 4468, 4471, 4474, 4477, 4482, 4485, 4488, 4499, 4502, 4518, 4522,

33. 4526, 4530 w/16 SPZ.

PRODUCTION

DATE FIRST PRODUCTION

10-28-85

PRODUCTION METHOD (Flowing, gas lift, pumping, size and type of pump)

Flowing - Capable of Comm. HC to be tested when connected.

WELL STATUS (Producing or shut-in)

Shut in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-28-85	SI 7 Days	0		0	0	0	0

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
SI 320	SI 1120		No Flow	No Flow	No Flow	0.850

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

Shut in to be Sold

TEST WITNESSED BY

Ernie Minert

35. LIST OF ATTACHMENTS

Temp Survey

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

SIGNED

TITLE

Drilling Clerk

DATE

11-4-85

*(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
Chacra	3050'	3826'	Gry fn grn silty, glauconitic sd stone w/drck gry shale	Chacra	3050'	
Mesa Verde	3826'	3826'	Gry, fine-grn, dense sil ss., carb sh & coal	Mesa Verde	3826'	
Menefee	3826'	4445'	Gry, fine-grn s, carb sh & coal	Menefee	3826'	
Point Lookout	4445'	4940'	Gry, very fine sil ss w/frequent sh breaks	Point Lookout	4445'	

38. GEOLOGIC MARKERS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

SF 080511

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Harrington

9. WELL NO.

6

10. FIELD AND POOL, OR WILDCAT

Blanco Mesa Verde

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

Sec. 31, T-27-N, R-7-W
N.M.P.M.

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

El Paso Natural Gas Company

3. ADDRESS OF OPERATOR

Post Office Box 4289, Farmington, NM 87499

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

At surface

2090'S, 2295'W

14. PERMIT NO.

OCT 22 1985

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

6001'GL

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

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other)

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other)

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

Running Casing

(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.)*

10-13-85

TD 2440'. Ran 60 jts. 7", 20.0# , J-55 casing 2424' set @ 2436'. Cemented with 200 sks. Class "B", 65/35 POZ mix, 6% gel, 2% calcium chloride, 1/2 cu ft Perlite/sk (386 cu.ft.) followed by 100 class B, 2% calcium chloride (118 cu ft). WOC 12 hours. Held 1200#/30 minutes. Top of cement @ 1000'

10-16-85

TD 4941'. Ran 65 jts. 4 1/2", 10.5# , K-55 casing liner 2302' set @ 4940'. Float collar set at 4929'. Top of liner set @ 2279'. Cmt'd w/50 class B sks, 50/50 POZ mix, 2% gel , 0.6% Halad-9 (112 cu ft), followed by 293 class B, 50/50 POZ mix, w/2% gel, 6.25# Gilsonite/sk, 1/4# Flocele/sk, 0.6% Halad-9, (398 cu ft). WOC 18 hrs.

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

SIGNED

TITLE Drilling Clerk

DATE

10-21-85

(This space for Federal or State office use)

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED FOR RECORD
DATE

OCT 25 1985

*See Instructions on Reverse Side

FARMINGTON RESOURCE AREA

BY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

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 ☒ **OCT 24 1985**
2. NAME OF OPERATOR **El Paso Natural Gas Company**
3. ADDRESS OF OPERATOR **Post Office Box 4289, Farmington, NM 87499**
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface **2090'S, 2295'W**

5. LEASE DESIGNATION AND SERIAL NO.
SF 080511
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Harrington
9. WELL NO.
6
10. FIELD AND POOL, OR WILDCAT
Blanco Mesa Verde
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 31, T-27-N, R- 7- N.M.P.M.
12. COUNTY OR PARISH
Rio Arriba 13. STATE
NM

RECEIVED

14. PERMIT NO. **OCT 15 1985** 15. ELEVATIONS (Show whether DP, RT, GR, etc.)
6001'GL

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

BUREAU OF LAND MANAGEMENT
FARMINGTON RESOURCE AREA

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Spud Well

(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.) *

10-9-85

Spudded well at 1:15 p.m. 10-9-85. Drilled to 223'. Ran 9 jts. 9 5/8", 32.3#, H-40 surface casing set at 223'. Cemented with 275 sks. Class "B" with 1/4#/sk. gel-flake and 3% calcium chloride (325 cu.ft.). Circulated to surface. WOC 12 hours. Tested 600#/30 minutes, held ok.

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

SIGNED

TITLE **Drilling Clerk**

DATE

10-11-85

(This space for Federal or State office use)

ACCEPTED FOR RECORD

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NMOCC

OCT 15 1985

*See Instructions on Reverse Side

FARMINGTON RESOURCE AREA

BY

EGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐

GAS
WELL ☒

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

El Paso Natural Gas Company

3. ADDRESS OF OPERATOR

PO Box 4289, Farmington, NM 87499

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

At surface

2090'S, 2295'W

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

14 miles south of Navajo City, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

260'

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED

TO THIS WELL

W 320.00 321.60

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

600'

19. PROPOSED DEPTH

4900'

20. ROTARY OR CABLE TOOLS

Rotary

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

6011' GL

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED

22. APPROX. DATE WORK WILL START*

This action is subject to technical and
procedural review pursuant to 43 CFR 3162
and appeal pursuant to 43 CFR 3165.A.

23.

600'

"GENERAL REQUIREMENTS"
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	9 5/8"	32.3#	200'	224 cu.ft.circulated
8 3/4"	7"	20.0#	2410'	353 cu.ft.cover Ojo Alam
6 1/4"	4 1/2"	10.5#	2360-4900'	443 cu.ft.circ. liner

Selectively perforate and sand water fracture the Mesa Verde formation.

A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on this well.

This gas is dedicated.

The W/2 of Section 31 is dedicated to this well.

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

2994 Daah

TITLE

DATE

(This space for Federal or State office use)

Drilling Clerk

APPROVED-85
AS AMENDED

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

NSC 247

NMOCC

*See Instructions On Reverse Side

SEP 19 1985

7s/J. Stan McKee

M. MILLENBACH
AREA MANAGER

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.

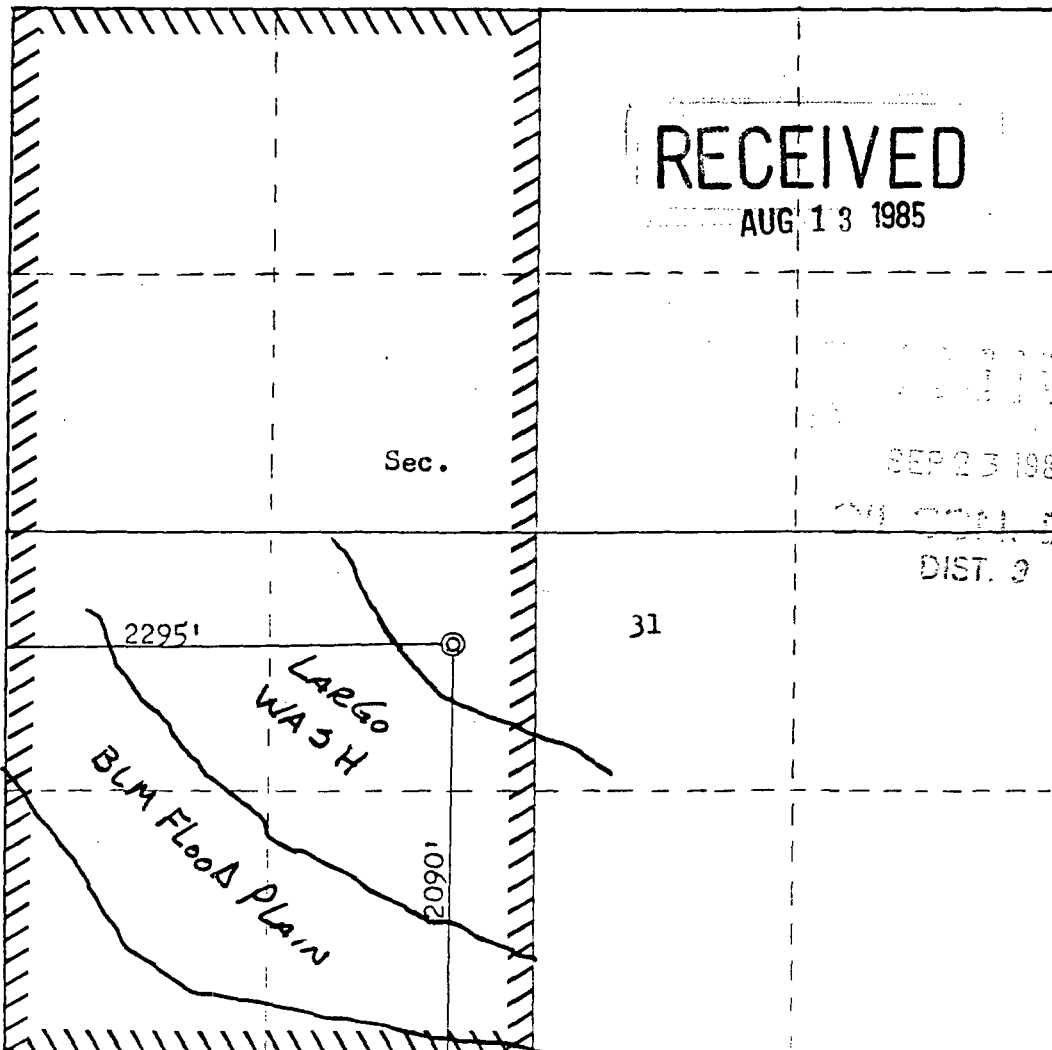
Operator EL PASO NATURAL GAS COMPANY			Lease HARRINGTON (SF 080511)		Well No. 6
Unit Letter K	Section 31	Township 27N	Range 7W	County Rio Arriba	
Actual Footage Location of Well: 2090 feet from the South line and 2295 feet from the West line					
Ground Level Elev: 6001	Producing Formation Mesa Verde		Pool Blanco	Dedicated Acreage: 331.60 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. Note: Plat reissued to show moved location. 8-12-85



Scale: 1"=1000'

CERTIFICATION

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

Name
Doggett, L. Oak
Position
Drilling Clerk
Company
El Paso Natural Gas

Date
August 12, 1985

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
August 9, 1985
Registered Professional Engineer and Land Surveyor

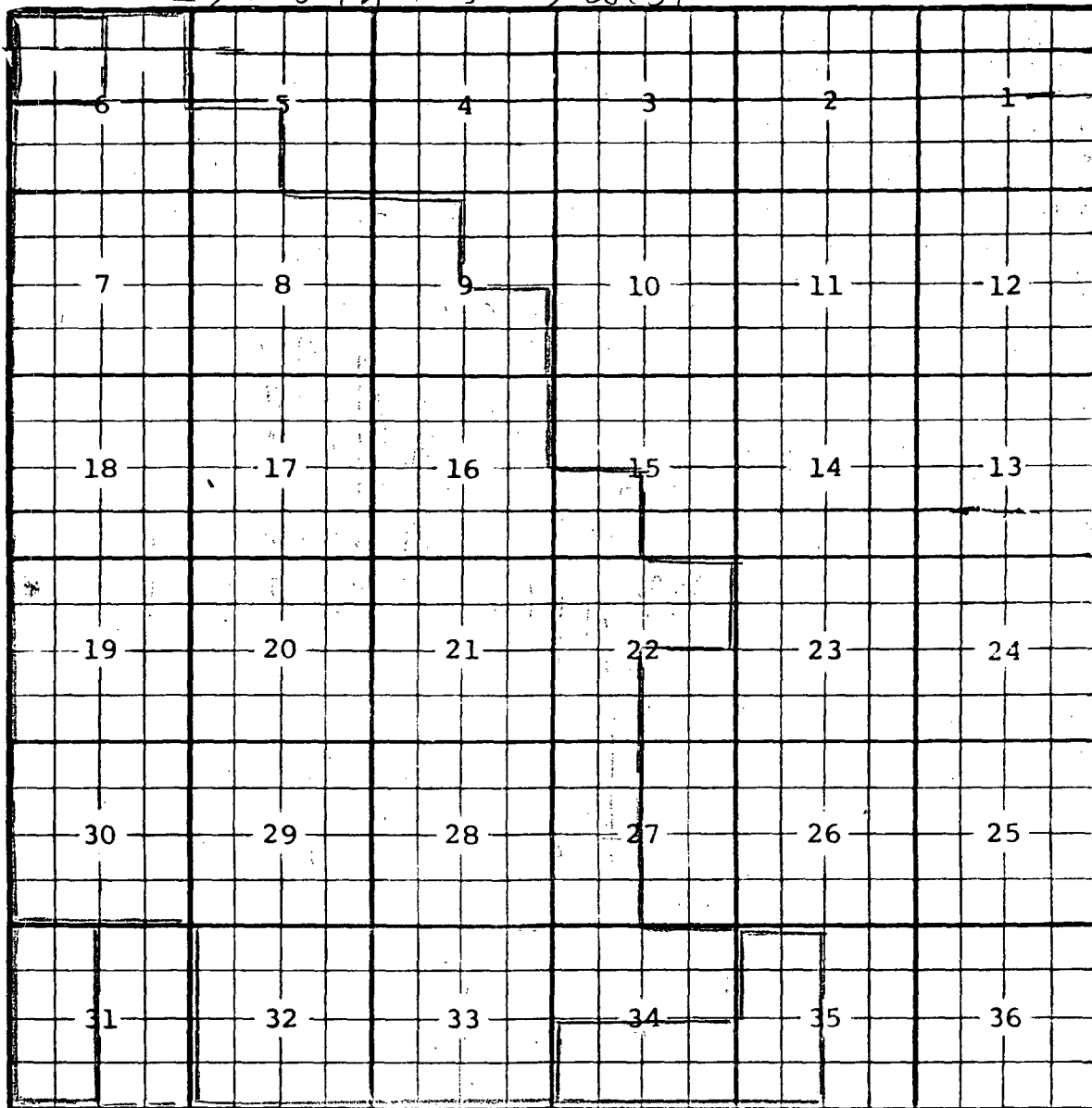
Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No.

3950

County Rio Arriba Pool Otero-Chacra

TOWNSHIP 27 North Range 7 West NMPM



Ext: $\frac{5}{2}$ Sec. 34, $\frac{1}{2}$ Sec. 35 (R-7046, 8-6-82)

Ext: $\frac{SW}{4}$ Sec. 5, $\frac{E}{2}$ and $\frac{SW}{4}$ Sec. 6, All Secs. 7 and 8, $\frac{W}{2}$ and $\frac{SE}{4}$ Sec. 9, $\frac{SW}{4}$ Sec. 15, All Secs. 16 through 21, $\frac{N}{2}$ and $\frac{SW}{4}$ Sec. 22, $\frac{W}{2}$ Sec. 27, All Secs. 28 through 30, All Secs. 32 and 33, $\frac{N}{2}$ Sec. 34 (R-7201, 2-7-83)

Ext: $\frac{5}{2}$ Sec. 34, $\frac{W}{2}$ Sec. 35 (R-7277, 5-5-83) Ext: $\frac{E}{2}$ Sec. 31 (R-10610, 6-18-96)

Ext: $\frac{NW}{4}$ Sec. 6 (R-10676, 10-1-96) Ext: $\frac{W}{2}$ Sec. 31 (R-10788, 4-9-97)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

Sundry Notices and Reports on Wells

98 FEB 17 PM 2:54

1. Type of Well
GAS

070 FARMINGTON, NM

Lease Number
SF-080511
If Indian, All. or
Tribe Name

2. Name of Operator

**BURLINGTON
RESOURCES**

OIL & GAS COMPANY

7. Unit Agreement Name

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

8. Well Name & Number
Harrington #6

9. API Well No.
30-039-23871

4. Location of Well, Footage, Sec., T, R, M

2090' FSL, 2295' FWL, Sec. 31, T-27-N, R-7-W, NMPM

10. Field and Pool
Otero Chacra/
Blanco Mesaverde

11. County and State
Rio Arriba Co, NM

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

Type of Submission

Type of Action

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☐ Subsequent Report

☒ Recompletion

☐ New Construction

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Final Abandonment

☐ Altering Casing

☐ Conversion to Injection

☒ Other - Commingle

13. Describe Proposed or Completed Operations

It is intended to recomplete the subject well in the Chacra formation according to the attached procedure and wellbore diagram. The well will then be commingled. A down hole commingle order will be applied for.

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

Signed [Signature] (JLDOpps) Title Regulatory Administrator Date 2/12/98

(This space for Federal or State Office use)

APPROVED BY

Title Acting Team Lead Date 2/19/98

CONDITION OF APPROVAL, if any:

NMCCO

(3)

Harrington #6
Chacra Recompletion Procedure
Unit K, Section 31, T27N, R7W
Lat: 36° - 31.67448' Long: 107° - 37.0404'

Recomplete the Chacra in this Mesaverde producer. The Chacra will be sand fracture stimulated in two stages with a total of 160,000 lbs 20/40 sand using a 70Q 25 lb linear gel for transport.

1. Inspect location and test rig anchors, if necessary. Comply with all NMOCD, BLM, Forestry & BR rules and regulations. Dig flowback pit or set flowback tank. Haul to location 3 jts 2-7/8" buttress N-80 tubing, 2-7/8" X 3-1/2" N-80 crossover, 2300' of a 3-1/2" N-80 frac string and 3, 400 bbl frac tanks.
2. MIRU. Record and report SI pressures on tubing, casing and bradenhead. Fill frac tanks with 2% KCL. Lay blowdown line. Blow well down and kill with 2% KCL water as necessary. ND WH and NU BOP with flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line.
3. TOOH with Mesaverde production string set at \pm 4792'. Visually inspect tubing, note and report any scale in/on tubing. Replace bad joints as necessary.
4. PU and RIH with a 3-7/8" bit, 4-1/2" (10.5 lb/ft) casing scraper on the 2-3/8" production string. Clean out to 4908' with air. TOOH.
5. RU wireline. RIH and set CIBP at 3400'. RD wireline.
6. Load hole with 2% KCL water. MIRU logging company. Run GR-CBL-CCL from PBTD to surface casing. Evaluate CBL. Top of good cement must be above 2500' to continue with procedure.
7. Be sure tanks have at least 480 bbls water for breakdown and first stage frac. Filter all water to 25 microns if brought from sources with known solids contamination. Filtration is not necessary for city water.

LOWER CHACRA:

8. PU and RIH with 4-1/2" packer on 2-3/8" tubing. Set packer at 2300'. Pressure test tubing string, exposed liner and CIBP to 3800 psi (80% burst). Pressure test annulus to 1000 psi. Release packer and lower to 3277'. Spot 200 gals 15% HCL acid across lower Chacra perf interval 3066-3276'. TOH slowly for 5 stands. TOOH.

All acid on this well to contain the following additives per 1000 gals.

2 gal	HAI-81M	Corrosion inhibitor
5 gal	FE-1A	Iron Control
5 gal	FE-2A	Iron Control
1 gal	SSO-21	Surfactant
1 gal	Cla Sta XP	Clay control

9. RU wireline services. RIH with 3-1/8" select fire carrier guns loaded with Owens 3125306P HSC 12 gm charges set at 1 SPF. (Av. perf diameter - 0.30". Av. pen. -17.48" in concrete). Perf the lower Chacra with **20 holes** from top down. RD wireline services.

3066', 3068', 3124', 3125', 3126', 3130', 3131', 3135', 3137', 3164', 3168', 3169', 3205', 3240', 3250', 3260', 3261', 3262', 3266', 3276'
10. RIH with 4-1/2" packer and 2-3/8" tubing string. Set packer at 2860'.
11. RU stimulation company. Hold a tailgate safety meeting. Pressure test surface treating lines to 4800 psi. Breakdown Chacra with 1500 gals 15% HCL acid. Drop **40, 7/8" 1.3 sp gr RCN** perf balls. Evenly space throughout the job for diversion. Attempt to ball off to 3800 psi. Use same acid additives as in Step 8. RD stimulation company.
12. Release packer and lower to 3280' to knock off perf balls. TOOH.
13. PU and RIH with 4-1/2" packer, 3 jts 2-7/8" buttress N-80 frac string, 2-7/8" X 3-1/2" N-80 crossover and 3-1/2" N-80 frac string. Set packer just inside 4-1/2" liner at 2300'.
14. RU stimulation company. Hold tailgate safety meeting. Pressure test surface lines to 6000 psi. **Maximum surface treating pressure is 5000 psi.** Hold 500 psi on annulus and monitor during the job. Fracture stimulate Chacra down the 3-1/2" N-80 frac string with 15,000 gals of 70 quality foam using 25 lb linear gel as the base fluid and 80,000 lbs 20/40 Arizona sand. Pump at **35 BPM**. Monitor surface treating pressures, rate, foam quality and sand concentration with computer van. **Sand is to be tagged with 3 RA tracers.** Estimated treating pressure is 4800 psi. Estimated tubing friction is 2460 psi. Treat per the following schedule:

Stage	Downhole Foam Volume (gals)	Clean Gel Volume (gals)	N2 Volume (MSCF)	Sand Volume (lbs)
Pad	10,000	3,000	163.2	
1.0 ppg	10,000	3,136	159.8	10,000
2.0 ppg	10,000	3,272	156.5	20,000
3.0 ppg	10,000	3,408	153.2	30,000
4.0 ppg	5,000	1,772	74.9	20,000
Flush	1,250	443	18.73	0
Totals	46,250	15,031	726.33	80,000

Treat frac fluid w/ the following additives per 1000 gallons:

* 0.18 lb/M	BE-6	Biocide
* 6.25 gal/M	LGC-8	Gel
* 5.0 gal/M	AQF-2	Foamer
* 1.0 gal/M	SSO-21	Surfactant
* 0.5 lb/M	GBW-3	Breaker
* 0.5 lb/M	SP	Breaker

Shut well in after frac and record ISIP, 5, 10 and 15 shut-in pressure. RD stimulation company.

15. Flow well back after 30 minutes to 1 hour through a choke manifold at 20 BPH or less if sand is observed. After the well has cleaned up and pressures allow, release packer and TOOH.
16. PUH and RIH with 4-1/2" CIBP, packer and 2-3/8" tubing. Set CIBP at 3040'. Release packer from CIBP and PUH. Set the packer just above CIBP and pressure test to 3800 psi.

UPPER CHACRA

17. Be sure tanks have at least 480 bbls water for breakdown and second stage frac. Filter all water to 25 microns if brought from sources with know solids contamination. Filtration is not necessary for city water.
18. Release the packer and spot 250 gals 15% HCL acid across upper Chacra perf interval 2683-2978'. TOH slowly for 6 stands. TOOH.

All acid on this well to contain the following additives per 1000 gals.

2 gal	HAI-81M	Corrosion inhibitor
5 gal	FE-1A	Iron Control
5 gal	FE-2A	Iron Control
1 gal	SSO-21	Surfactant
1 gal	Cla Sta XP	Clay control

19. RU wireline services. RIH with 3-1/8" select fire carrier guns loaded with Owen 3125306P HSC 12 gm charges set at 1 SPF. (Av. perf diameter - 0.30", Av. pen. -17.48" in concrete). Perf the upper Chacra with **20 holes** from top down. RD wireline services.

2683', 2698', 2710', 2719', 2723', 2763', 2780', 2786', 2796', 2839', 2860', 2863', 2885', 2888', 2929', 2946', 2953', 2958', 2974', 2978'

20. RIH with 4-1/2" packer and 2-3/8" tubing string. Set packer at 2500'.
21. RU stimulation company. Hold a tailgate safety meeting. Pressure test surface treating lines to 4800 psi. Breakdown upper Chacra with 1500 gals 15% HCL acid. Drop **40, 7/8" 1.3 sp gr RCN perf balls**. Evenly space throughout the job for diversion. Attempt to ball off to 3800 psi. Use same acid additives as in Step 18. RD stimulation company.
22. Release packer and lower to 2980' to knock off perf balls. TOOH.
23. PU and RIH with 4-1/2" packer, 3 jts 2-7/8" buttress N-80 frac string, 2-7/8" X 3-1/2" N-80 crossover and 3-1/2" N-80 frac string. Set packer just inside 4-1/2" liner at 2300'.
24. RU stimulation company. Hold tailgate safety meeting. Pressure test surface lines to 6000 psi. **Maximum surface treating pressure is 5000 psi**. Hold 500 psi on annulus, behind packer, and monitor during the job. Fracture stimulate Chacra down the 3-1/2" N-80 frac string with 15,000 gals of 70 quality foam using 25 lb linear gel as the base fluid and 80,000 lbs 20/40 Arizona sand. Pump at **35 BPM**. Monitor surface treating pressures, rate, foam quality and sand concentration with computer van. **Sand is to be tagged with 3 RA tracers**. Estimated treating pressure is 4500 psi. Estimated tubing friction pressure is 2200 psi. Treat per the following schedule:

Stage	Downhole Foam Volume (gals)	Clean Gel Volume (gals)	N2 Volume (MSCF)	Sand Volume (lbs)
Pad	10,000	3,000	148.3	
1.0 ppg	10,000	3,136	145.2	10,000
2.0 ppg	10,000	3,272	142.2	20,000
3.0 ppg	10,000	3,408	139.2	30,000
4.0 ppg	5,000	1,772	68.00	20,000
Flush	950	337	12.92	
Totals	45,950	14,925	655.82	80,000

Treat frac fluid w/the following additives per 1000 gallons:

* 0.18 lb/M	BE-6	Biocide
* 6.25 gal/M	LGC-8	Gel
* 5.0 gal/M	AQF-2	Foamer
* 1.0 gal/M	SSO-21	Surfactant
* 0.5 lb/M	GBW-3	Breaker
* 0.5 lb/M	SP	Breaker

Shut well in after frac and record ISIP, 5, 10 and 15 shut-in pressure. RD stimulation company.

25. Flow well back after 30 minutes to 1 hour through a choke manifold at 20 BPH or less if sand is observed. After the well has cleaned up and pressures allow, release packer and TOOH. LD 3-1/2" frac string, 3-1/2" X 2-7/8" N-80 crossover, 3 jts 2-7/8" N-80 buttress tubing and packer.
26. TIH with 3-7/8" bit on 2-3/8" tbg and CO with air/mist to CIBP at 3040'. **Take pitot gauges when possible.** When well is sufficiently clean, drill up CIBP at 3040'. Continue to clean out to CIBP separating Chacra and Mesaverde at 3400'. When well is sufficiently clean, run Chacra only 3 hour production test through separator using a back pressure of 200 psi. This is necessary for NMOCD commingling regulations. When test is complete, drill out CIBP at 3400' and continue cleanout to PBTD with air. TOOH.
27. RU Pro-Technics. Run After-Frac log from 3350-2900'. RD Pro-Technics.
28. RU Blue Jet. Run Perforation Efficiency log from 3280-2980'. RD Blue Jet.
29. Rabbit and TIH with an expendable check, one joint 2-3/8" tubing, standard seating nipple and remaining 2-3/8" tubing. Tag PBTD for sand fill up. If needed, circulate sand off bottom with air. Land tubing at 4817'. ND BOP. NU WH. Pump off expendable check. Contact Production Operations for well tie-in. RDMO.

Harrington #6
1998 Discretionary Chacra Recompletion

Recommended: 
Production Engineer

Approved:  1/22/98
Drilling Superintendent

Approved:  1/28/98
Team Leader

VENDORS:

Fracturing:	Halliburton	324-3500
RA Tag:	Pro-Technics	326-7133

Jennifer Dobson	599-4026 (work)	564-3244 (home)	324-2461 (pager)
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Harrington #6
Pertinent Data Sheet
Lat: 36° -31.67448' Long: 107° -37.0404'

General Well Information:

Location: 2090 FSL, 2295 FWL, Unit K, Section 31, T27N, R7W, Rio Arriba County, NM

Lease #: SF 080511

DP #: 34951A

Property #: 012590300

GW/NRI: 100/85

Current Field: Blanco Mesaverde

Spud: 10/9/85

Completed: 10/28/85

GL Elevation: 6001'

KB Elevation: 6013'

TD: 4941'

PBTD: 4908'

Casing Record:

Hole Size	Csg Size	Weight	Grade	Depth Set	Cmt Vol	Cmt Top
12-1/4"	9-5/8"	32.3 lb/ft	J-55	223'	275 sx	Surface (circ.)
8-3/4"	7"	20 lb/ft	J-55	2436'	300 sx	1000' (TS)
6-1/4"	4-1/2"	10.5 lb/ft	J-55	2279-4940'	343 sx.	2279' (circ.)

Tubing Record:

Tubing Size	Weight	Grade	Depth Set	Number of Jts
2-3/8	4.7 lb/ft	J-55	4758'	147
SN			4759'	1
2-3/8	4.7 lb/ft	J-55	4792'	1

Logging Record:

Gearhart Induction/Electrical Log (10/15/85) and Gearhart Compensated Density/Sidewall Neutron Log (10/15/85)

Completion:

Point Lookout (stage 1) was perforated at 4564', 4575', 4584', 4598', 4611', 4629', 4648', 4655', 4688', 4696', 4704', 4711', 4722', 4750', 4765', 4786', 4817' (17 holes) in 150 gals 7-1/2% HCL. Balled off perforations with 900 gals 15% HCL. Fracture stimulated with 71,000 lbs 20/40 sand and 110,128 gals water at 40 BPM and 2800 psi.

Point Lookout (stage 2) was perforated at 4459', 4462', 4465', 4468', 4471', 4474', 4477', 4482', 4485', 4488', 4499', 4502', 4518', 4522', 4526', 4530' (16 holes). Balled off perforations with 1000 gals 15% HCL. Fracture stimulated with 23,000 lbs 20/40 sand and 63,010 gals water at 36 BPM and 2200 psi.

Workover History:

None.

Production History:

Well is currently making 80 MCFD.

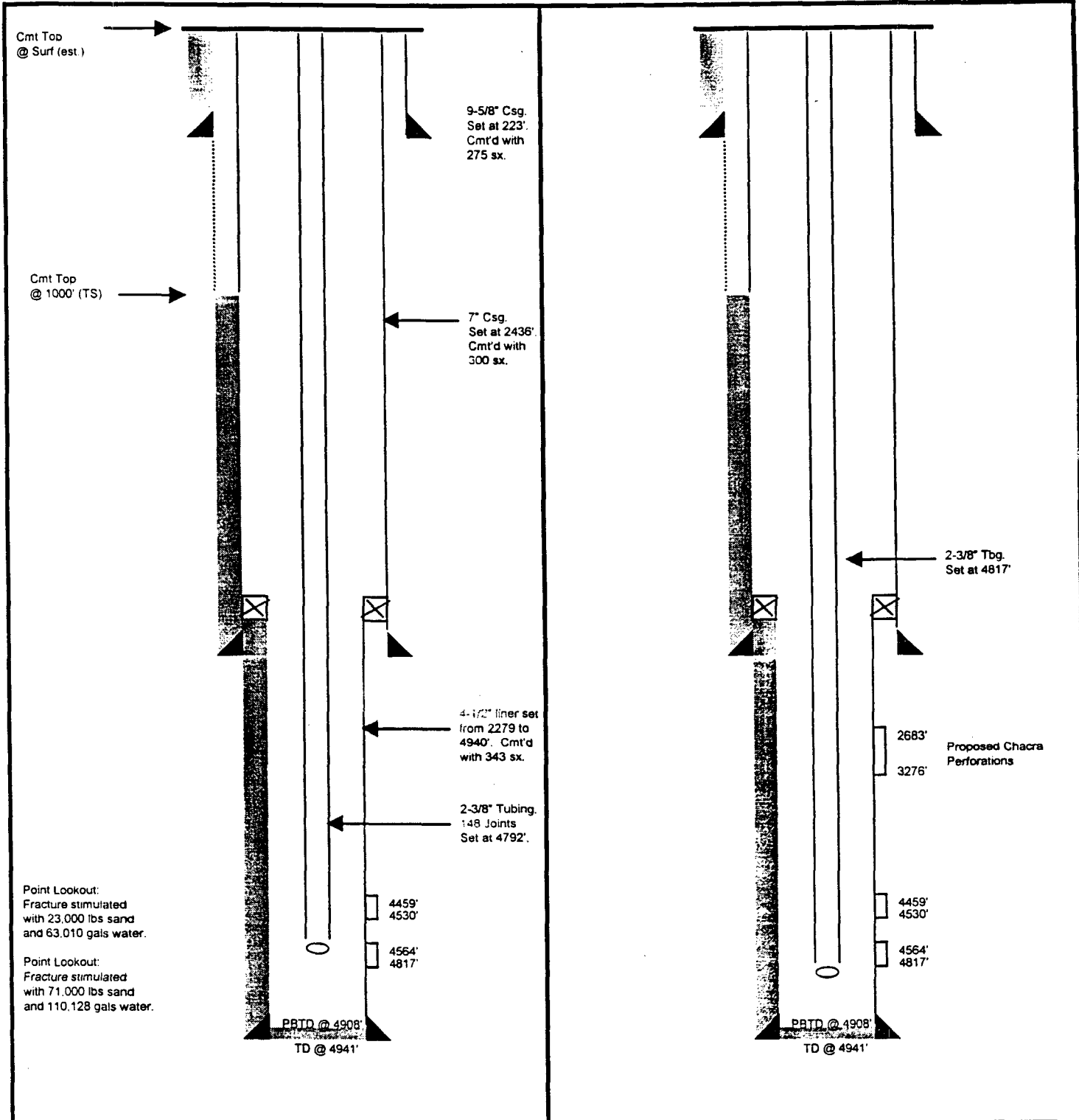
Pipeline: EPNG

Harrington #6

Lat: 36° - 31.67448'/Long: 107° - 37.0404'
Unit K, Section 31, T27N, R7W
Rio Arriba County, NM

Current Schematic

Proposed Schematic



District I
PO Box 1980, Hobbs, NM 88241-1980

District II
P.O. Drawer DD, Artesia, NM 88211-0719

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

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals, & Natural Resources Department

Form C-104
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

☐ AMMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator Name and Address Burlington Resources Oil & Gas PO Box 4289 Farmington, NM 87499		² OGRID Number 14538
		³ Reason for Filing Code CO - 7/11/96
⁴ API Number 30-039-23871	⁵ Pool Name BLANCO MESAVERDE (PRORATED GAS)	⁶ Pool Code 72319
⁷ Property Code 007094	⁸ Property Name HARRINGTON	⁹ Well Number #6

II. ¹⁰ Surface Location

¹¹ U/I or lot no. K	¹² Section 31	¹³ Township 027N	¹⁴ Range 007W	¹⁵ Lot.Idn	¹⁶ Feet from the 2090	¹⁷ North/South Line S	¹⁸ Feet from the 2295	¹⁹ East/West Line W	²⁰ County RIO ARriba
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¹¹ Bottom Hole Location

²¹ U/I or lot no.	²² Section	²³ Township	²⁴ Range	²⁵ Lot.Idn	²⁶ Feet from the	²⁷ North/South Line	²⁸ Feet from the	²⁹ East/West Line	³⁰ County	
³¹ Lse Code		³² Producing Method Code		³³ Gas Connection Date		³⁴ C-129 Permit Number		³⁵ C-129 Effective Date		³⁶ C-129 Expiration Date

III. Oil and Gas Transporters

³⁷ Transporter OGRID	³⁸ Transporter Name and Address	³⁹ POD	⁴⁰ O/G	⁴¹ POD ULSTR Location and Description
7057	EL PASO FIELD SERVICES P.O. BOX 1492 EL PASO, TX 79978		G	K-31-T027N-R007W
9018	Giant Industries 5764 US Hwy 64 Farmington, NM 87401	1336810	O	K-31-T027N-R007W

IV. Produced Water

⁴² POD	⁴³ POD ULSTR Location and Description
-------------------	--

V. Well Completion Data

⁴⁴ Spud Date	⁴⁵ Ready Date	⁴⁶ TD	⁴⁷ PBTD	⁴⁸ Perforations
⁴⁹ Hole Size	⁵⁰ Casing & Tubing Size	⁵¹ Depth Set	⁵² Sacks Cement	

VI. Well Test Data

⁵³ Date New Oil	⁵⁴ Gas Delivery Date	⁵⁵ Test Date	⁵⁶ Test Length	⁵⁷ Thg. Pressure	⁵⁸ Csg. Pressure
⁵⁹ Choke Size	⁶⁰ Oil	⁶¹ Water	⁶² Gas	⁶³ AOF	⁶⁴ Test Method

⁶⁵ I hereby certify that the rules 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: *Dolores Diaz*

Printed Name:
Dolores Diaz

Title:
Production Associate

Date:
7/11/96

Phone
(505) 326-9700

OIL CONSERVATION DIVISION

Approved by: Frank T. Chavez

Title: District Supervisor

Approved Date: July 11, 1996

⁶⁶ If this is a change of operator fill in the OGRID number and name of the previous operator
14538 Meridian Oil Production

Previous Operator Signature

Printed Name

Title

Date

Signature: *Dolores Diaz*

Dolores Diaz

Production Associate

7/11/96

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
P.O. Drawer DD, Artesia, NM 88211-0719

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

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals, & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088

Santa Fe, NM 87504-2088

Form C-104
Revised February 21, 1994

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 MERIDIAN OIL, INC. PO Box 4289 Farmington, NM 87499 DHC-1009		² OGRID Number 14538
		³ Reason for Filing Code CO/09-01-95
⁴ API Number 30-39-2387100	⁵ Pool Name BLANCO MESAVERDE (PRORATED GAS	⁶ Pool Code 78
⁷ Property Code 12590300	⁸ Property Name HARRINGTON	⁹ Well Number #6

II. ¹⁰ Surface Location

UI or lot no. K	Section 31	Township 027N	Range 007W	Lot.Idn	Feet from the 2090	North/South Line S	Feet from the 2295	East/West Line W	County RIO ARriba
--------------------	---------------	------------------	---------------	---------	-----------------------	-----------------------	-----------------------	---------------------	----------------------

¹¹ Bottom Hole Location

UI or lot no.	Section	Township	Range	Lot.Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
¹² Lse Code	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	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
7057	EL PASO NATURAL GAS P.O. BOX 1492 EL PASO, TX 79978		G	K-31-T027N-R007W
9018	GIANT INDUSTRIES, INC. 5764 U.S. HWY. 64 FARMINGTON, NM 87401	1336810	O	K-31-T027N-R007W

IV. Produced Water

²³ POD	²⁴ POD ULSTR Location and Description
-------------------	--

V. Well Completion Data

²⁵ Spud Date	²⁶ Ready Date	²⁷ TD	²⁸ PBSD	²⁹ Perforations
³⁰ Hole Size	³¹ Casing & Tubing Size	³² Depth Set	³³ Sacks Cement	

VI. Well Test Data

³⁴ Date New Oil	³⁵ Gas Delivery Date	³⁶ Test Date	³⁷ Test Length	³⁸ Tbg. Pressure	³⁹ Csg. Pressure
⁴⁰ Choke Size	⁴¹ Oil	⁴² Water	⁴³ Gas	⁴⁴ AOF	⁴⁵ Test Method

⁴⁶ I hereby certify that the rules 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: *Dolores Diaz*

Printed Name:
Dolores Diaz

Title:
Production Assistant

Date:
27 September, 1995

Phone
(505) 326-9700

OIL CONSERVATION DIVISION

Approved by:

37.8

Title:

SUPERVISOR DISTRICT #3

Approved Date:

OCT - 4 1995

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

Previous Operator Signature	Printed Name	Title	Date
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