

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Energy Reserves Group, Inc.

3. ADDRESS OF OPERATOR

P.O. Box 3280, Casper, Wyoming 82602

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

At surface

800 FSL & 950 FWL (SW/SW)

At proposed prod. zone

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

8 Miles South of Farmington New Mexico

15. DISTANCE FROM PROPOSED*

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

16. NO. OF ACRES IN LEASE

Unitized

18. DISTANCE FROM PROPOSED LOCATION*

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

3000'

19. PROPOSED DEPTH

1650'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

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

5581 GR

22. APPROX. DATE WORK WILL START*

Nov. Dec.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8-5/8"	24#	120'-200'	Cmt to surface
6-3/4"	4 1/2"	9.5#	1650'	Cmt to surface

Energy Reserves Group, Inc. proposes to drill the above referenced well with rotary tools from surface to T.D. The anticipated zone of completion is the Pictured Cliffs Formation, 1400' - 1650'. No DST's are planned. Copies of all logs run will be furnished upon completion of the well.

RECEIVED

NOV 19 1979

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

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

TITLE

Field Services Administ.

DATE

10-31-79

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NMOCG

*See Instructions On Reverse Side

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-78

All distances must be from the outer boundaries of the Section

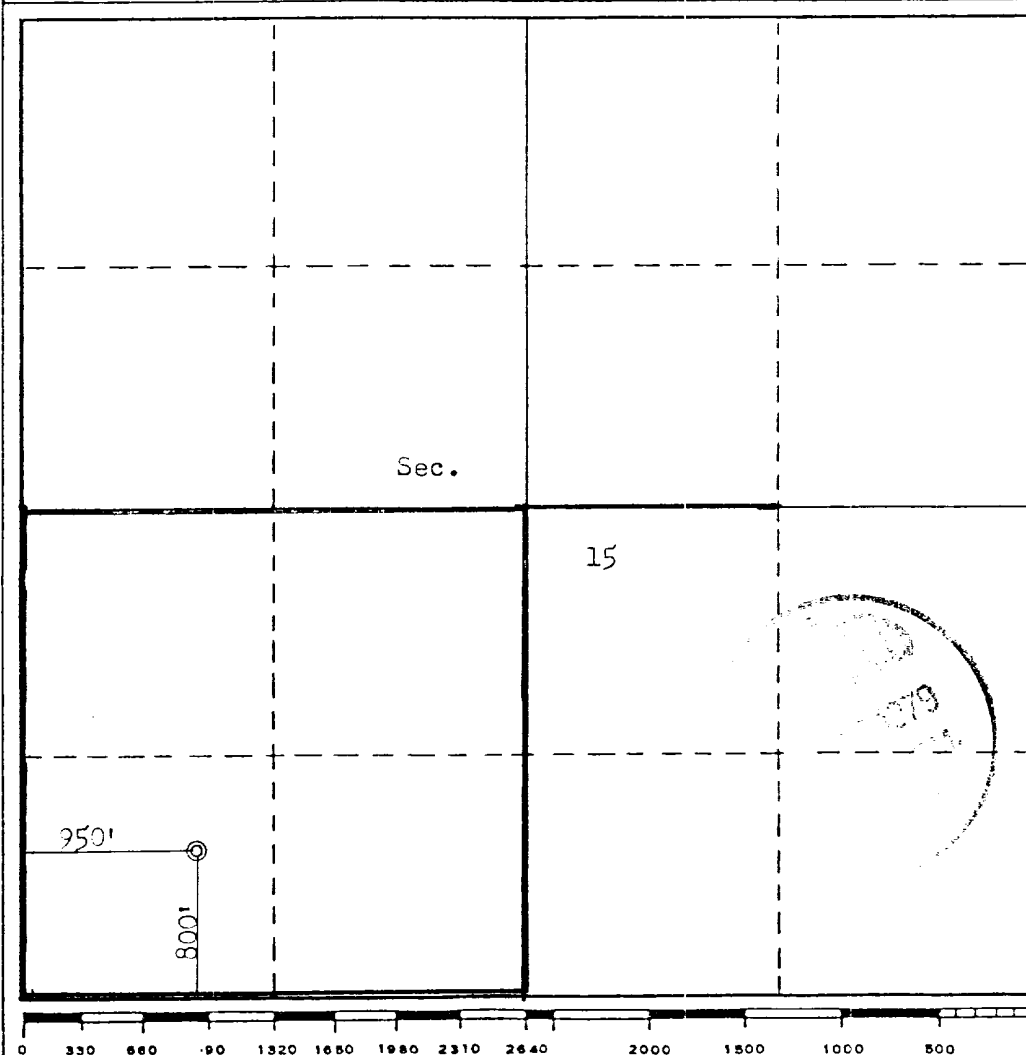
Operator ENERGY RESERVES GROUP			Lease GALLEGOS CANYON UNIT		Well No. 296
Unit Letter M	Section 15	Township 28N	Range 12W	County San Juan	
Actual Footage Location of Well: 800 feet from the South line and 950 feet from the West line					
Ground Level Elev. 5581	Producing Formation Pictured Cliffs	Pool West Kutz Pictured Cliffs	Dedicated Acreage: 160 Acres		

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

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

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

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



CERTIFICATION

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

Name

Position

Field Services Administ

Company

Energy Reserves Group

Date

October 31, 1979

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

October

Registered Professional Engineer and/or Land Surveyor

Fred B. Kern Jr.

Certificate No.

3950

Supplemental to Form 9-331C

1. The geologic name of the surface formation.

Nacimiento

2. The estimated tops of important geologic markers.

<i>Kirtland</i>	<i>240'</i>
<i>Fruitland</i>	<i>1050'</i>
<i>Pictured Cliffs</i>	<i>1400'</i>
<i>T.D.</i>	<i>1650'</i>

3. The estimated depths at which anticipated water, oil, gas, or other mineral-bearing formations are expected to be encountered.

The Pictured Cliffs Formation @1400-1650' is expected to be gas productive.

4. The proposed casing program, including the size, grade, and weight-per-foot of each string and whether new or used.

<i>8-5/8"</i>	<i>24#</i>	<i>@ 120-200'</i>	<i>Cement to surface</i>
<i>4-1/2"</i>	<i>9.5#</i>	<i>@ 1650'</i>	<i>Cement to surface</i>

5. The lessee's or operator's minimum specifications for pressure control equipment which is to be used, a schematic diagram thereof showing sizes, pressure ratings (or API series), and the testing procedures and testing frequency.

Pressure control equipment to consist of an 8" hydraulically operated double ram BOP series 900, 3000#. The BOP will be pressure tested to 500 psi after installation and prior to drilling out from under the surface casing.

6. The type and characteristics of the proposed circulating medium or mediums to be employed for rotary drilling and the quantities and types of mud and weighting material to be maintained.

Well is to be drilled with gel mud plus required additives for hole conditions and formations to be drilled. Normally about 25sx. of gel will be on location at one time.

7. The auxiliary equipment to be used, such as (1) kelly cocks, (2) floats at the bit, (3) monitoring equipment on the mud system, (4) a sub on the floor with a full opening valve to be stabbed into drill pipe when the kelly is not in the string.

Kelly cock stop for 3½" drill pipe, and a full opening floor valve to stab into the drill pipe.

8. The testing, logging, fracing, and coring programs to be followed with provision made for required flexibility.

No coring is planned, no DST's are planned. Logs will probably be IES only. Nitrogen-water (foam) fracing consisting of approximately 20,000 gal. of 70% quality foam with 25,000 # 10-20 sand.

9. Any anticipated abnormal pressures or temperatures expected to be encountered or potential hazards such as hydrogen sulfide gas, along with plans for mitigating such hazards.

No abnormal pressure or temperatures are anticipated. H2s is not a potential problem in the area.

10. The anticipated starting date and duration of the operations.

It is planned to commence operations as soon as regulatory approval has been received and a rig can be obtained. It is anticipated it will take 3-4 days to drill and log this well.

MULTI-POINT SURFACE USE PLAN

1. EXISTING ROADS

Go east from Farmington 6½, turn south for approx 3½ miles.

2. PLANNED ACCESS ROADS

Approx 1400' of new road will be required

3. LOCATION OF EXISTING WELLS

See attachments

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

- A. (1) None anticipated
(2) A separator may be required if well produces fluid.
(3) N.A.
(4) If the well is a producer, El Paso Natural Gas Co. will install gathering line under a right-of-way permit.
(5) N.A.
(6) N.A.
- B. If the well is productive, all facilities will be within the disturbed area. A small pit (20' x 20') may be required if any water is produced. The pit will be fenced w/sheep wire to protect livestock and wildlife.
- C. If the well is productive, the reserve pit will be fenced and allowed to dry up. As soon as it is dry, it will be filled and the area restored to its original contour. All trash and debris will be removed.

If the well is dry, the pit will be fenced and allowed to dry. The location and access road will be recontoured and reseeded as per BLM specifications.

5. LOCATION AND TYPE OF WATER SUPPLY

Water will be hauled by truck, probably from well 257 injected facilities.

6. SOURCE OF CONSTRUCTION MATERIALS

None Anticipated.

7. METHODS FOR HANDLING WASTE DISPOSAL

- (1&2) All cuttings and drilling fluids will be contained in the reserve pit.
(3) Produced fluids, if any, will be contained in portable tanks, unless it is good water which will be directed into the pit and allowed to evaporate or soak into the ground.
(4) A portable toilet will be used during drilling and completion operations.
(5) All trash will be buried in a small trash pit along side of the reserve pit.
(6) See item 4C

8. ANCILLARY FACILITIES

None required.

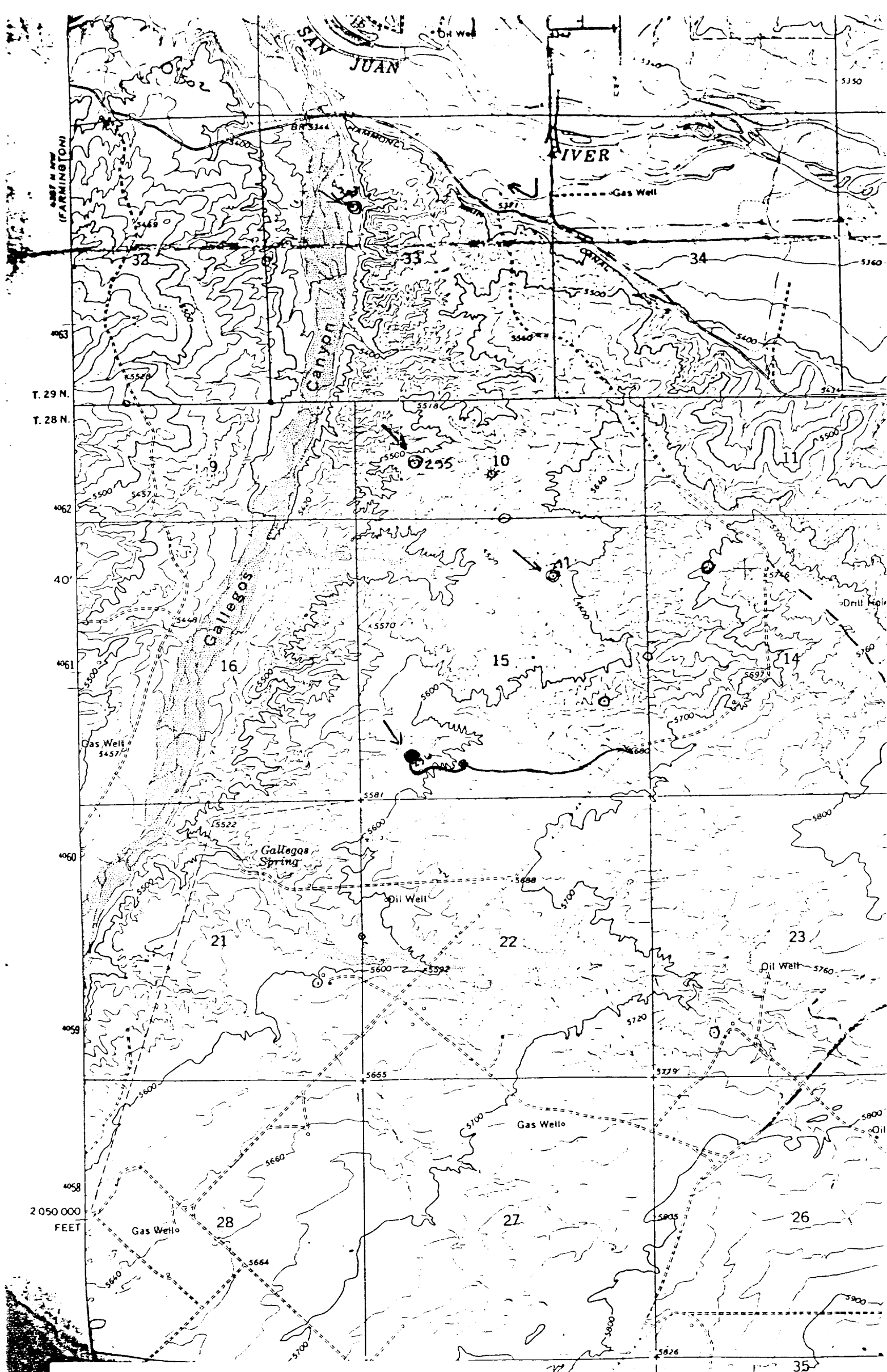
10. PLANS FOR RESTORATION OF SURFACE

Upon completion of the well, the reserve pit will be fenced and allowed to dry. Any accumulation of oil will be skimmed off the pit and trucked to a disposal site.
The disturbed area will be recontoured to its original contour and reseeded as per BLM's recommendations. It is planned to commence rehabilitation as soon as the pit has dried and weather permits.

11. OTHER INFORMATION

- (1) The area is generally rolling hills near the well site. The soil is composed mostly of sand with only sparse vegetation. Sage brush, cactus and assorted native grasses. Wildlife consists of rodents and birds.
(2) The surface is public land and is not presently used for any activity, ie: grazing, recreation, etc.
(3) The San Juan River is appx. 2½ miles north of the proposed well.

There was no evidence of any historical archaeological or cultural sites in the area to be disturbed.



Vicinity Map for
 ENERGY RESERVES GROUP #296' CALLEGOS CANYON UNIT
 800' FSL 950' FWL Sec 15-T23N-R12W
 SAN JUAN COUNTY, NEW MEXICO

GN



Well Name Gallegos Canyon Unit # 296
Location SW 15-28-12
Formation P.C.

We, the undersigned, have inspected this location and road.

U. S. Forest Service
Debra Reed
Archaeologist

Date
10/16/79
Date

Bureau of Indian Affairs Representative
Bob Marle
Bureau of Land Management Representative

Date
10/16/79
Date

A. Stump
U. S. Geological Survey Representative

Date

Seed Mixture: II

Equipment Color: BROWN

Road and Row: (Same) or (Separate) 5
6

Remarks: _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other
2. NAME OF OPERATOR
Energy Reserves Group, Inc.
3. ADDRESS OF OPERATOR
P.O. Box 3280, Casper, Wyoming 82602
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 820' FSL & 950' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Well History <input checked="" type="checkbox"/>	X

5. LEASE
SF-078106
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
Gallegos Canyon Unit
8. FARM OR LEASE NAME
Gallegos Canyon Unit
9. WELL NO.
296
10. FIELD OR WILDCAT NAME
West Kutz Pictured Cliffs
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 15-T28N-R12W
12. COUNTY OR PARISH
San Juan
13. STATE
New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
G.L. 5,581' KB 5,591'

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

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.)*

The above referenced was spudded @ 12:00 Noon 12-30-79.

Drilled 12-1/4" hole to 133'. Ran 3 jts. 8-5/8" O.D. 19.66# MU46, 8Rth, R-3 new casing set @ 131' (K.B.) Cemented w/100 sx Class "B" cement w/3% CaCl₂ and 1/4# Flocele/sx. Good cement returns.

Nipple up & tested BOPE to 800# psi - Held o.k.

Drilled 6-3/4" hole to 1,675' K.B. & ran logs.

Ran 44 jts. 4-1/2", 9.5% & 10.5# K-55 CW 55, R-3 8Rth, ST&C new casing set @ 1,640' K.B. Cemented w/300 sx 50-50 Pozmix w/1/4# Flocele/sx. Plug down @ 10:45 AM 1-3-80 Good Cement returns.

Subsurface Safety Valve: Manu: and Type 1-4-80 - W.O.C. & W.O.C.T. Set @ _____ Ft.

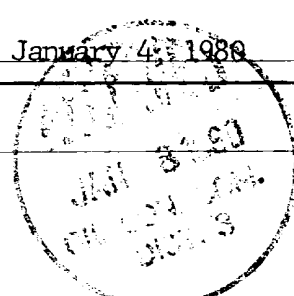
18. I hereby certify that the foregoing is true and correct

SIGNED _____ TITLE Drlg. Foreman DATE January 4, 1980

(This space for Federal or State office use)

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

*See Instructions on Reverse Side



Instructions

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

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other ☐
2. NAME OF OPERATOR
Energy Reserves Group, Inc.
3. ADDRESS OF OPERATOR
P.O. Box 3280, Casper, Wyoming 82602
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 820' FSL & 950' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐

SUBSEQUENT REPORT OF:

☐
☐
☐
☐
☐
☐
☐
☐
☒ (other) Well History

5. LEASE
SF-078106
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
Gallegos Canyon Unit
8. FARM OR LEASE NAME
Gallegos Canyon Unit
9. WELL NO.
296
10. FIELD OR WILDCAT NAME
West Kutz Pictured Cliffs
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 15-T28N-R12W
12. COUNTY OR PARISH
San Juan
13. STATE
New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
G.L. 5,581' KB 5,591'

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

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.)*

The above referenced was spudded @ 12:00 Noon 12-30-79.

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Nipple up & tested BOPE to 800# psi - Held o.k.

Drilled 6-3/4" hole to 1,675' K.B. & ran logs.

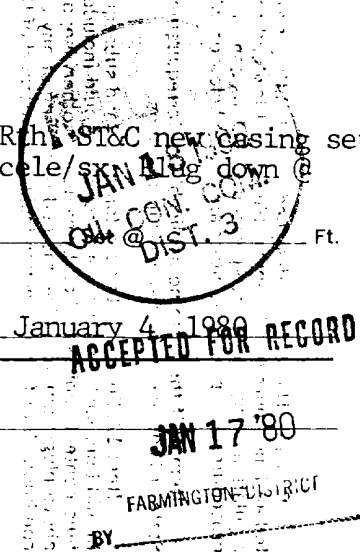
Ran 44 jts. 4-1/2", 9.5% & 10.5# K-55 CW 55, R-3 8Rth ST&C new casing set @ 1,640' K.B. Cemented w/300 sx 50-50 Pozmix w/1/4# Flocele/sx. Log down @ 10:45 AM 1-3-80 Good Cement returns.

1-4-80 - W.O.C. & W.O.C.T.
Subsurface Safety Valve: Manu. and Type

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

SIGNED [Signature] TITLE Drlg. Foreman DATE January 4, 1980

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well ☐ gas ☒ well ☐ other

2. NAME OF OPERATOR
Energy Reserves Group, Inc.

3. ADDRESS OF OPERATOR
P.O. Box 3280, Casper, Wyoming 82602

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 800' FSL, 950' FWL (SW SW)
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

☐
☒
☐
☐
☐
☐
☐
☐
☐

5. LEASE
SF-078106

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Gallegos Canyon Unit

8. FARM OR LEASE NAME

Gallegos Canyon

9. WELL NO.

296

10. FIELD OR WILDCAT NAME

Kutz Pictured Cliffs, West

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

Sec. 15-T28N-R12W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
GRD 5581' - KB 5591'

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

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.)*

Pictured Cliffs sand perfed 1,418'-20' w/2 JSPF & 1,428'-32' w/1 JSPF.
Broke down perfs w/500 gals 15% HCl + additives. Fraced perfs w/24,000
gals 70% Quality Foam + 40,000# 10-20 sand @ 2 PPG.



Subsurface Safety Valve: Manu. and Type

Set @ Ft.

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

SIGNED

Dean B. Barnes

TITLE

Dist Prod Engr-RMD

DATE

March 4, 1980

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

NMCCG

MAR 10 1980

BY

FARMINGTON DISTRICT

McL Kuchera

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____				5. LEASE DESIGNATION AND SERIAL NO. SF-078106	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME Gallegos Canyon Unit	
2. NAME OF OPERATOR Energy Reserves Group, Inc.,				7. UNIT AGREEMENT NAME Gallegos Canyon Unit	
3. ADDRESS OF OPERATOR P.O. Box 3280 - Casper, Wyoming 82602				8. FARM OR LEASE NAME Gallegos Canyon Unit	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 800' FSL, 950' FWL (SW SW) At top prod. interval reported below At total depth				9. WELL NO. 296	
14. PERMIT NO. _____ DATE ISSUED _____				10. FIELD AND POOL, OR WILDCAT Kutz Pictured Cliffs, West	
15. DATE SPUDDED 12-30-79				11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 15-T28N-R12W	
16. DATE T.D. REACHED 1-3-80				12. COUNTY OR PARISH San Juan	
17. DATE COMPL. (Ready to prod.) 3-22-80				13. STATE New Mexico	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* GRD 5,581' KB 5,591'				19. ELEV. CASINGHEAD _____	
20. TOTAL DEPTH, MD & TVD 1,675'		21. PLUG, BACK T.D., MD & TVD 1,607'		22. IF MULTIPLE COMPL., HOW MANY* NA	
23. INTERVALS DRILLED BY O-TD				24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1,418'-20'; 1,428'-32' Pictured Cliffs	
25. WAS DIRECTIONAL SURVEY MADE NO				26. TYPE ELECTRIC AND OTHER LOGS RUN Induction - Electrolog; Comp. Densilog - Neutron	
27. WAS WELL CORED NO				28. CASING RECORD (Report all strings set in well)	
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
8-5/8"		20#		131' KB	
4-1/2"		9.5#		1,640' KB	
HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
12-1/4"		100 sks 'B' + 3% CaCl ₂ + 1/4#/sk Flocele		-0-	
6-3/4"		300 sks 50-50 Pozmix + 1/4#/sk Flocele *		-0-	
29. LINER RECORD				30. TUBING RECORD	
SIZE		TOP (MD)		BOTTOM (MD)	
				None	
SACKS CEMENT*		SCREEN (MD)		SIZE	
				2-3/8"	
DEPTH SET (MD)		PACKER SET (MD)		DEPTH SET (MD)	
		None		1,453'	
31. PERFORATION RECORD (Interval, size and number)				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
1,418'-20' w/2 JSPF				DEPTH INTERVAL (MD)	
1,428'-32' w/1 JSPF				1418'-32'	
				AMOUNT AND KIND OF MATERIAL USED	
				B.D. w/500 gals 15% HCl acid + additives - Fraced w/24,000 gals 70% Quality Foam + 40,000# 10-20 SD @ 2 PPG	
33.* PRODUCTION					
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas li't, pumping—size and type of pump)			WELL STATUS (Producing or shut in)
DATE OF TEST		HOURS TESTED		CHOKE SIZE	
3-21-80		24		3/4"	
PROD'N. FOR TEST PERIOD		OIL—BBL.		GAS—MCF.	
0		0		177	
FLOW. TUBING PRESS.		CASING PRESSURE		CALCULATED 24-HOUR RATE	
80 psi		SI 180 psi		0	
OIL—BBL.		GAS—MCF.		WATER—BBL.	
0		177		171	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)				TEST WITNESSED	
Vented During Test				T.C. Duma	
35. LIST OF ATTACHMENTS					
Sample Description					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records					
SIGNED <i>Hean B. Bamer</i>		TITLE Dist Prod Engr-RMD		DATE 3-24-80	

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

NMOCG

INSTRUCTIONS

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

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

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

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES			38. GEOLOGIC MARKERS			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
			SEE ATTACHED	LOG TOPS		
			* 4-1/2" cemented back to surface	Ojo Alamo	171'	
				Kirtland	253'	
				Fruitland	1,120'	
				Pictured Cliffs	1,416'	
				Lewis	1,588'	
				TD Driller	1,675'	
				Logger	1,669'	

SAMPLE DESCRIPTION

- 650 - 80 10% Ss: wht, mg, sbang, sl cly fld, gd por, s & p.
80% Sh: lt gry, frm-sft, blk, sl slty
10% Chert: mlky wht, cg, ang
- 680 - 710 100% Sh: AA
- 10 - 40 20% Ss: wht, f-mg, sbrnd-sbang, mod cly fld, fair por, s & p
80% Sh: AA, slty
- 740 - 800 50% Ss: wht, mg, sbrnd, sl cly fld, gd por, sl fld
50% Sh: AA, sl less slty
- 800 - 30 20% Ss: wht, fg, sbrnd, sl cly fld, occ carb incl, fair por
80% Sh: lt gry, sft, blk, sl slty
- 30 - 60 100% Sh: gry, sft, blk, clayey
- 60 - 90 100% Sh: AA, blk-pty
- 890 - 950 100% Sh: AA, pty
- 50 - 80 100% Sh: gry, sft, blk-pty, clayey, micromic, occ carb incl
- 980 - 1010 20% Ss: clr wht, fg, rndd, sl cly fld, gd por, occ carb
incl, calc
80% Sh: AA, gry-dk gry, sl carb
- 10 - 40 30% Ss: AA, f-mg
70% Sh: gry, brn, sft, pty-blk, slty, w/carb incl
- 40 - 70 90% Sh: gry-lt gry, sft, blk, clayey
10% Coal: blk, sl shly
Tr. Chert: clr, cg, sbang
- 1070 - 1100 10% Ss: wht, fg, sbang, mod cly fld, fair por, calc
90% Sh: lt gry-brn, sft, blk, slty
- 1100 - 60 N.S.
- 60 - 90 30% Ss: wht, fg, sbrnd, cly fld, tite, s & p
70% Sh: brn-dk brn, frm, blk, slty, some coaly
- 1190 - 1220 50% Ss: AA
50% Sh: lt gry-brn, sft, blk, slty, some coaly
- 20 - 60 N.S.
- 60 - 90 100% Sh: gry-dk gry, sft-frm, blk, clayey, some coaly
- 1290 - 1300 N.S.
- 1300 - 10 100% Sh: lt gry, sft, pty, clayey, sndy

1310 - 20 100% Sh: gry-dk gry, frm, blk, slty, w/occ carb incl

20 - 30 50% Ss: wht, fg, sbrnd, mod cly fld, sl shly, tite, calc,
fri
50% Sh: AA

30 - 40 50% Ss: AA, less shly, fair por, less fri
50% Sh: AA

40 - 50 100% Sh: gry-dk gry, frm-sft, plty, clayey, sl carb

50 - 60 90% Sh: AA
10% Coal: blk, vit

60 - 80 N.S.

80 - 90 30% Ss: gry, fg, sbrnd, mod cly fld, sl porous, calc
70% Sh: gry-dk gry, sft, blk, clayey
Tr. Coal: AA

1390 - 1410 100% Sh: AA

1410 - 20 100% Coal: blk, vit

20 - 30 N.S.

30 - 40 70% Ss: wht, f-mg, sbrnd, cly fld, tite, sl feld, calc,
w/carb incl, sl glauc
20% Sh: gry-brn, sft, clayey
10% Coal: blk, vit

40 - 50 N.S.

50 - 60 80% Ss: AA, sl less clayey, s & p
20% Sh: AA

60 - 70 30% Ss: AA
50% Sh: AA
20% Coal: blk, vit

70 - 80 70% Ss: wht, mg, sbrnd, cly fld, sl porous, calc, s & p,
sl feld, sl glauc
30% Sh: AA
Tr. Coal: AA

80 - 90 90% Ss: AA
10% Sh: AA
Tr. Coal: AA

1490 - 1500 50% Ss: AA, vfn-fn-g
50% Sh: AA

1500 - 10 30% Ss: AA
70% Sh: AA
Tr. Coal: AA

1510 - 30 40% Ss: AA
 60% Sh: AA
 Tr. Coal: AA

30 - 40 50% Ss: gry, vfn-g, sbrnd, shly, tite, w/carb incl, calc
 50% Sh: gry, frm, blk, slty, sl calc

40 - 50 20% Ss: AA
 80% Sh: AA

50 - 60 20% Ss: gry-wht, fg, sbrnd, cly fld-shly, tite, calc, w/
 carb incl
 80% Sh: gry-dk gry, frm, blk, slty, sl calc

60 - 70 50% Ss: wht, fg, sbrnd, cly fld, poss sl porosity, sl feld,
 calc, w/occ carb incl
 50% Sh: AA

70 - 80 30% Ss: AA, sl-fair porosity
 70% Sh: AA

80 - 90 50% Ss: AA, tite
 50% Sh: AA

1590 - 1600 20% Ss: AA
 80% Sh: gry-dk gry, frm, blk, clayey

1600 - 40 100% Sh: gry-brn, frm, blk, slty, w/carb incl, sl calc
 Tr. Ss: f-mg, sbrnd, sl cly fld, fair por, calc
 Tr. Chert: clr, cg, sbang

40 - 50 100% Sh: AA

1650 - 75 100% Sh: gry, frm, plty-blk, slty, sl calc

TABULATION OF DEVIATION TESTS

ENERGY RESERVES GROUP, INC.

Gallegos Canyon Unit -PC #296

<u>DEPTH</u>	<u>DEVIATION</u>
133'	1/4°
620'	1/2°
1,139'	3/4°
1,675'	1°

A F F I D A V I T

THIS IS TO CERTIFY that to the best of my knowledge the above tabulation details the deviation test taken in ENERGY RESERVES GROUP, INCORPORATED'S Gallegos Canyon Unit - Pictured Cliffs #296 - SW SW Sec. 15-T28N-R12W
San Juan County, New Mexico

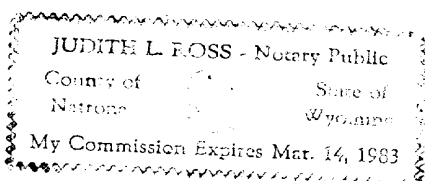
Signed

Dean B. Barnes
District Production Engineer

THE STATE OF WYOMING)
) SS.
COUNTY OF NATRONA)

BEFORE ME, the undersigned authority, on this day personally appeared Dean B. Barnes known to me to be District Production Engineer for Energy Reserves Group, Inc. and to be the person whose name is subscribed to the above statement, who, being by me duly sworn on oath, states that he has knowledge of the facts stated herein and that said statement is true and correct.

SUBSCRIBED AND SWORN TO before me, a Notary Public in and for said County and State this 13th day of May, 1980.



Judith L. Ross
Notary Public

My Commission Expires Mar 14 1983

SANTIA	
FILE	1
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	3
PRORATION OFFICE	

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Supersedes OIA C-104 and C
Effective 1-1-65

30-045-23995

Operator Energy Reserves Group, Inc.	
Address P. O. Box 3280, Casper, Wyoming 82602	
Reason(s) for filing (Check proper box)	
New Well <input checked="" type="checkbox"/>	Change in Transporter oil: Oil <input type="checkbox"/> Dry Gas <input checked="" type="checkbox"/>
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input checked="" type="checkbox"/>
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>

If change of ownership give name
and address of previous owner

I. DESCRIPTION OF WELL AND LEASE

Lease Name Gallegos Canyon Unit	Well No. 296	Pool Name, Including Formation Kutz Pictured Cliffs, West	Kind of Lease State, Federal or Fee Federal	Lease No. SF-078106
Location Unit Letter M ; 800 Feet From The South Line and 950 Feet From The West Line of Section 15 Township 28N Range 12W , NMPM, San Juan County				

I. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
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	Box 1492, El Paso, Texas 79999					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Pge.	Is gas actually connected?	When
					No	Wait on pipeline

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

7. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Restv.	Diff. Restv.
		X	X					
Date Spudded 12-30-79	Date Compl. Ready to Prod. 3-22-80	Total Depth 1675'	P.B.T.D. 1607'					
Elevations (DF, RKB, RT, CR, etc.) GRD 5581' KB 5591'	Name of Producing Formation Pictured Cliffs	Top Oil/Gas Pay 1416'	Tubing Depth 1453'					
Perforations 1413' - 20' w/2 JSPF, 1428' - 32' w/1 JSPF			Depth Casing Shoe					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
12-1/4"	8-5/8"	131' KB	100 sx. 1B' & 3/4" CaCl ₂ & 1/4#/sk. Flocele					
6-3/4"	4-1/2"	1640' KB	300 sx. 50-50 Pozmix & 1/4#/sk. Flocele					
	2-3/8"	1453'						

8. 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 allowable for this depth or be for full 24 hours)

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

GAS WELL *Tested w/orifice well tester thru test separator

Actual Prod. Test-MCF/D 177	Length of Test 24 hrs.	Bbls. Condensate/MMCF -0-	Gravity of Condensate NCA
Testing Method (pilot, back pr.) *See above note	Tubing Pressure (80 psi	Casing Pressure (Shut-in) 180 psi	Choke Size 3/4"

I. CERTIFICATE OF COMPLIANCE

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

Judith L. Ross
(Signature)
District Clerk
(Title)
5-13-80
(Date)

OIL CONSERVATION COMMISSION

APPROVED MAY 15 1980, 19
Original Signed by FRANK T. CHAVEZ
BY
SUPERVISOR DISTRICT # 3
TITLE

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

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

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

Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition. Separate Forms C-104 must be filed for each pool in multiply