

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

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DISTRIBUTION	
SANTA FE	
FILE	
U.S.O.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Free <input type="checkbox"/>
5. State Oil & Gas Lease No.	
LG 3496	

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 -" (FORM C-101) FOR SUCH PROPOSALS.)

1. <input checked="" type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		7. Unit Agreement Name
2. Name of Operator Merrion Oil & Gas Corporation		8. Farm or Lease Name Yucca Com
3. Address of Operator P. O. BOX 840, Farmington, New Mexico 87499		9. Well No. 1
4. Location of Well UNIT LETTER <u>H</u> , <u>1850</u> FEET FROM THE <u>North</u> LINE AND <u>790</u> FEET FROM THE <u>East</u> LINE, SECTION <u>2</u> TOWNSHIP <u>25N</u> RANGE <u>9W</u> NMPM.		10. Field and Pool, or Wildcat Dufers Point Gallup Dakota
15. Elevation (Show whether DF, RT, GR, etc.) 6481' GL, 6494' KB		12. County San Juan

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>

SUBSEQUENT REPORT OF:

REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>
First Production, Well History, Pressure test, PBTD	

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Pressure test production casing to 4000 PSI for 30 minutes. Held.

PBTD - 6751' KB

First Production: 1/18/86

Well history attached.

RECEIVED  
JAN 21 1986  
OIL CON. DIV.  
DIST. 3

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

SIGNED Frank T. Chavez TITLE Operations Manager DATE 1/20/86

Original Signed by FRANK T. CHAVEZ

APPROVED BY \_\_\_\_\_ TITLE SUPERVISOR DISTRICT #3 DATE JAN 21 1986

CONDITIONS OF APPROVAL, IF ANY:

WF 01

MERRICK OIL & GAS CORPORATION

YUCCA COM # 1

1850' & 790' TEL  
Sec. 02, 125N, R09W  
SAN JUAN COUNTY, NEW MEXICO

Field/Formation: DUFERS POINT GALLUP - DAKOTA  
Lease Designation: STATE LG-3496

COMPLETION REPORT

1/07/86

TIH w/ 3-7/8" bit, 4-1/2" csg scraper and used 2-3/8" tbg. Tag stage tool at 4777' KB. Drill on tool 4 hrs and made 3" hole. Torquing up bad. Will run mill tomorrow. (RD)

1/08/86

TOH w/bit. Left 1 cone in hole. TIH w/3-7/8" mill. Drill through stage tool at 4777'KB. TI to bottom and tag PBTD at 6731'. Pressure test csg to 4000 PSI. Held. Pull to 6574' KB and shut down overnight. (RD)

1/09/86

MIRU Dowell. Circulated 10 bbl gel plug and 134 bbls water. Spotted acid by circulating 3 bbls, 15% HCl, & 24.5 bbls water. POH w/2-3/8" tbg and flat bottom mill. MIRU Petro wireline. Started in hole w/GR-CCL tool and lost signal. POH, cut off 20' conductor cable and rehead. RIH and ran GR-CCL log from PBTD at 6731' to 4400'. POH RU lubricator and RIH w/ 3-1/8" csg gun and perfed Main Dakota from 6569'-72' w/ 1 JSPF (3 holes) - all shots fired. POH & LD gun. Broke down Main Dakota perfs - 5-1/2 BPM at 3800 psig. Made 2 runs w/ 3-1/8" csg gun & perfed the Graneros, Dakota "B" and Main Dakota w/ 1 JSPF at 6368'-76', 6382'-84', 6396'-98', 6465'-72', and 6559'-62'. Broke down perfs by pumping 12 bbls acid w/ 3 balls/bbl for a total of 36 ball sealers. Displaced w/109 bbls water - balled off, pressure built to 4000 psig. Surged balls off perfs and bled down pressure to 600 psig. RIH w/gauge ring and junk basket to PBTD. Retrieved 33 balls - 22 balls w/ perf marks. Slick water frac'd wells w/40-60 sand as follows:

Merrion Oil and Gas Corporation  
 Completion Report - Yucca Com 1  
 Page Two

Stage	Water Volume	Sand Conc.	Total Sand
I	25,000 gal	Pad	
II	45,000 gal	1#	45,000#
III	30,000 gal	1-1/2#	45,000#
IV	5,000 gal	2#	10,000#
V	4,000 gal	Flush	--
Total Sand			100,000#

Average rate: 42 BPM

Average pressure: 2900 psig

Maximum pressure: 3180 psig

ISIP: 1550 psig

15 min SIP: 1190 psig

Shut well in for 1-1/2 hrs. Pressure dropped to 900 psig. Opened well through 21/64" choke to reserve pit. Flowed steady 2" streams and flowing tbg pressure built from 900 to 1650 psig in 1 hr. Well dead this AM. Flowed undetermined amount of water to pit overnight. Preparing to run bridge plug. (TGM)

1/10/86

Well dead. RIH w/ wireline - set RBP at 5910'. POH & LD setting tool. Pressured csg to 2500 psig, pressure dropped to 1000 psig, then brought up pressure to 4000 psig. Held ok for 5 min. RIH w/ dump bailer and dumped 5 gal sand on RBP. Found RBP at 5958' - plug dropped 48'. POH w/ dump bailer. Pressure csg again to 4000 psig for 5 min - held ok. RIH w/ 3-1/8" select fir csg gun and perfed the Gallup at the following depths: 5497,5511,5542,5560,5564,5568,5594,5616,5622,5632,5678,5688,5692,5712,5727,5738,5784,5786,5800,5807,5838,5842,5856,5860,5866. POH w/ gun - all 25 shots fired. RU Dowell. Established rate w/water at 4 BPM and 4000 psig. Pumped 12 bbls acid w/3 balls/bbl. Displaced w/69 bbls water. Pressure built to 4000 psig after first balls hit. Surged balls off perfs and let fall to bottom. Pumped acid away at 23 BPM and 3200 psig. Did not get good breakdown. Pumped 6 bbls water w/3 balls/bbl and 6 bbls acid w/3 ball/bbls and displaced at 20 BPM and 2500 psig. Good ball action- balled off and pressure rose to 4000 psig. Surged balls and let fall. RIH w/ junk basket and retrieved 36 balls - 22 w/perf marks. Slick water frac'd the Gallup w/ 20-40 sand as follows:

Merrion Oil and Gas Corporation  
 Completion Report - Auchen Com 1  
 Page Three

Stage	Water Volume	Sand Conc.	Total Sand
I	25,000 gal	Pad	
II	20,000 gal	1 ppg	20,000#
III	25,000 gal	1-1/2#	37,500#
IV	40,000 gal	2 ppg	80,000#
V	5,000 gal	2-1/2 ppg	12,500
VI	3,600 gal	Flush	---
Total Sand			150,000#

Average rate: 40 BPM

Average pressure: 2500 psig

Maximum pressure: 3600 psig

ISIP: 1065 psig

15 min SIP: 1010 psig

Shut well in for 2-1/2 hrs. Pressure dropped to 925 psig.

Opened well through 21/64" choke to reserve pit. Flowed

steady 2" stream at 750 psig for first hour then began bring-

ing back sand. Choked well to 12/64" and left flowing to pit

- FIP 800 psig. Well made estimated 1 bbl/min overnight.

Still flowing this AM. FCP - 250 psi. Fluid is water w/

trace of oil. (TGM)

Merrion Oil and Gas Corporation  
Completion Report  
Page Four

1/11/86

Well flowing from Gallup at about 1 BPM & 250 psig-no sand. Shut well in and RIH w/wireline - set RBP. Set RBP at 5400' and POH w/setting tool. Pressure tested plug to 4000 psig for 5 min-held ok. RIH w/ 3-1/8" select fire casing gun & shot 25 holes at the following depths:

GR-DENSITY				
4606	4630	4686	5224	5253
4613	4638	4703	5230	5266
4616	4640	5187	5236	5272
4625	4658	5204	5240	5314
4628	4665	5220	5245	5319

POH w/gun. All shots fired. RDMO Petro. RU Dowell and est rate w/ water - 20 BPM & 2350 psig. Pumped 10 gal sand and displaced to top of perfs w/65 bbls water. Shut down for 45 min and let sand fall to RBP. Pumped 12 bbls acid w/3 balls/bbl and displaced w/91 bbls at 18 BPM and 2100 psig - good ball action. Shut down, surged balls off perfs and waited 15 min to fall to bottom. Started pad, then shut down for ISIP. Calculated 22 holes open, ISIP = 1230 psig. Slick water frac'd Upper Mancos w/20-40 sand as follows:

Stage	Water Volume	Sand Conc	Total Sand
I	20,000	Pad	
II	15,000	1 ppg	15,000#
III	30,000	1-1/2 ppg	45,000#
IV	15,000	2 ppg	30,000#
V	6,300	2-1/2 ppg	15,750#
VI	3,000	Flush	
		Total Sand	105,750#

Avg rate: 40 BPM  
Avg pressure: 2300 psig  
Max pressure: 2900 psig  
ISIP: 1320 psig

Shut well in 2 hrs. Pressure dropped to 1000 psig. Opened well to reserve pit on 19/64" choke. Flowed well for 1 hr - FIP = 875 psig. Very little sand coming back. Left flowing overnight. (IGM)

1/12/86

Well still flowing. Pumped casing volume full of water and pressure built to 700 psig. Could not kill well. Hooked up well to frac tank and left flowing over weekend. Produced 64 bbls fluid from 11 AM Sat to 7:30 AM Sun - 7.6 BPH. Preparing to clean out and pull RBP's.

MERRION OIL & GAS CORPORATION

YUCCA COM NO. 1

Sec. 2, T25N, R9W  
San Juan Co., New Mexico

1/14/86

Well still flowing slightly. RIH w/RH & 2-3/8" tbg. Cleaned out approx 100' sand. Retrieved plug at 5400' and POH. RIH w/ RH & tbg. Cleaned out approx 50' fill and retrieved RBP at 5948'. Well went on vacuum when plug was unseated. Ball sealers and sand plugged tbg and string was pulled wet. Left well open to frac tank overnight. Well kicked off flowing during night. Flowed 350 bbls fluid to frac tank. Frac tank overflowed approx 10 bbls oil and 30 bbls water onto location. Preparing to RIH and land tbg. (IGM)

1/15/86

Cleaned up spill. Well still flowing this AM. Mostly gas. Kill well and TIH w/sawtooth collar and seating nipple 1 jt up. Tag sand at 6640' KB. 90' sand at on bottom. PU and land tbg at 6298' KB w/ 203 jts 2-3/8" tbg (used). Nipple up wellhead. Started flowing in 10 min. Let flow 1-1/2 hrs. Making a lot of gas, some water. Last 15 min started making trace of oil. Shut in overnight. Roustabouts to build flowline. (RD)