NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Jennifer A. Salisbury
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

January 23, 2001

Matador Operating Co
ATT: Russ Mathis
310 W Wall, Suite 906
Midland, TX 79701

RE: Laughlin #2-L, 4-20s-37e, API #30-025-35182
J W Cooper 5 #6-G, 5-20s-37e, API #30-025-35151

Gentlemen:

The Downhole Commingling application (C-103) is being returned to you. Per the rule R-11363 a well producing from a pool not within the pre-approved pools must be filled on Division form C-107 and sent to Santa Fe and a copy to the District I office.

District I geologist Paul Kautz has put these two wells in the Wildcat Drinkard, pool code 97060.

If you have further questions on this matter, please contact Paul Kautz or Donna Pitzer at the OCD office in Hobbs (505) 393-6161.

Yours truly,

OIL CONSERVATION DIVISION

Chris Williams
District I, Supervisor

CW:dp

CC: OCD Hobbs
OCD Santa Fe

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

WELL API NO.
30-025-35151

5. Indicate Type of Lease
STATE ☐ FEE ☒

6. State Oil & Gas Lease No.
10918

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.)

7. Lease Name or Unit Agreement Name
J W Cooper 5

1. Type of Well:
Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Matador Operating Company

7. Well No.
6

3. Address of Operator
310 W. Wall, Suite 906 Midland, Tx 79701

8. Pool name or Wildcat
Monument Tubb & Wildcat Drinkard

4. Well Location

Unit Letter G : 2310 feet from the North line and 2064 feet from the East line

Section 5 Township 20S Range 37E NMPM Lea County

10. Elevation *(Show whether DR, RKB, RT, GR, etc.)*
3575 KB

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPLETION	☒	CASING TEST AND CEMENT JOB	☐		
OTHER:	☐			OTHER: Revised Pool Name	☒		

12. 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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

Requesting downhole commingling approval. See attached letter.

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

SIGNATURE Russ Mathis TITLE Production Manager DATE 1/16/01

Type or print name Russ Mathis Telephone No. 915-687-5955

(This space for State use)

Returned

APPPROVED BY _____ TITLE _____ DATE _____

Conditions of approval, if any:

FOR RECORD ONLY

MATADOR PETROLEUM CORPORATION

310 W. Wall, Ste. 906
Midland, TX 79701
(915) 687-5955
Fax (915) 687-4809

Russ Mathis
Production Manager

Writer's Direct Line
(915) 687-5968

January 16, 2001

Mr. Chris Williams
New Mexico Oil Conservation Division
1625 N. French Drive
Hobbs, NM 88240

Re: Approval for Downhole Commingling of
J W Cooper 5 #6 well
S/2NE Section 5 T-20-S, R-37-E
Lea County, New Mexico
Revised

Dear Chris:

Pursuant to **Division Order No. R-11363**, Matador E & P Company ("Matador") hereby requests your approval to commingle production from the recently completed J W Cooper 5 #6 well. We desire to downhole commingle production from the **Monument Tubb Pool 47090** and **Wildcat Drinkard Pool 97060.** The perforated interval for the Tubb formation is 6435' to 6450' and the perforated interval for the Drinkard formation is 6510 to 6535 and 6725' to 6684'.

The rate for the Drinkard formation on the 12th day of swabbing was 40 BOPD and estimated 81 MCFD. The swab rate for the Tubb was 35 BOPD and estimated 71 MCFD. The final stabilized rate for the commingled Tubb Drinkard was 50 BOPD and 101 MCFD.

We propose that 53% (40/75) of the production be allocated to the Drinkard formation and 47% allocated to the Tubb Formation.

We believe that commingling will not reduce the value of the total remaining production. My understanding is that since ownership and percentage of ownership between the two pools is common, notice to interest owners is not required.

If you need any additional information, please feel free to call me in the Midland office.

Sincerely,

Russ Mathis

Russ Mathis
Production Manager

RM/dk

MyDocs\Cooper 5 #6 C103 Ltr

Matador Operating Company

Cooper 5 #6 — Lea County
API #30-25-35151 — New Mexico

10/12/00 Contractor leveled the location and set mast anchors.

10/16/00 Set matting boards, pipe racks and tubing. MIRUPU. Installed BOP. RIH with 3.875" bit, 4-1/2 casing scrapper, 4 - 3-1/2 DC and tubing. Tagged DN at 4262' KB. PU swivel and installed stripper. SWI, SDON. Total joints to tag DU 131 + tools. Received 228 joints tubing from Phillips Casing, 2-3/8 EUE 8rd 4.7#/ft J-55 Lone Star, 7221.62, threads on. Moved 16 joints ditto tubing from Laughlin #1, 518.73, threads on. Total joints on location, 244.

10/17/00 Trip tubing to exchange casing scrapper. Lea Fishing will pay 3 hours rig time for trip. Scrapper make-up questionable. Drill 10' cement to top of DV at 4272' KB. Drill DV tool. Passed bit and scrapper through DV 15 times while rotating and 5 times not rotating. Pressured casing to 1000 psi - ok. RIH and tagged cement at 7357.70' KB. PU swivel, drill DV fragments and cement to 7551.33' KB. Circulate hole clean, lay down swivel. Circulate hole with 110 bbls 2% KCL. Pressure test casing to 4000 psi - ok. Laid down tubing for packer setting: 36 joints on ground. SWI, SDON.

	Bit, scrapper, DC	134.58	
235 jts	tubing	7407.76	
	KB correction	9.00	
	PBTD	7551.33	KB

Gas company set meter run and spotted gas take point. Contractor set flowback equipment.

10/18/00 TOH with tubing and lay down drill collars. RU JWS wireline. TIH with gauge-junk basket. Tag PBTD at 7,544'. TOH with same. TIH with CBL tools. Run CBL from PBTD to 6000' with 0 psi. TIH with same to PBTD. Pressure casing to 1500 psi and hold. Pull CBL to 4000'. Release pressure. TOH with CBL. (Zonal isolation appears good). TIH with 3-1/8" casing gun loaded 4 spf/120 deg phase. Perforate lower Drinkard from 6,725' - 6,735', and 6,676' - 6,684'. No change in well. TOH with same. RD JWS. Pick up and TIH with Arrow set packer and 208 joints tubing (FL at 300'). Did not displace fluid at surface while running tubing. Set packer at 6,572'. Test casing and packer to 1000# for 10 min (good). RU swab. First run, FL at 150'. Swab to SN in 4 runs. Shut well in. SDON.

10/19/00 The tubing is on a vacuum. RIH with swab and found tubing dry. Wait on Howco to treat well. RU Howco, load tubing/casing annulus with 1.5 bbls and pressured to 1000 psi. Pressure test lines to 6500 psi. Pumped 2000 gals 15% NEFE HCL 19N surfactant with 100-7/8" RCN 1.3 SG balls. Pumped job as follows, dropping 10 balls every 4.3 bbls of acid.

Rate bbls/min	bbls away	tbg press	
4.0	10.0	75	
4.0	15.0	70	
4.0	20.0	60	
4.0	25.0	2900	
1.7	27.0	4380	10 balls on
1.6	31.0	4635	20 balls on
1.6	35.6	4698	30 balls on
1.7	39.9	4970	40 balls on
2.7	41.8	5200	Increased rate
2.7	44.2	5260	50 balls on
2.7	48.5	5280	60 balls on
2.7	52.0	5199	
2.7	52.8	5220	70 balls on
2.7	57.1	5250	80 balls on
2.7	61.4	5280	90 balls on
2.7	66.0	5305	100 balls on
2.7	68.0	5361	shut down

ISIP 4764, 5 min 4424, 10 min 4283, 15 min 4168. Load to recover - 71 bbls. Opened well to pit with pressure falling instantly and tubing flowing 1/4 full. SI. RD Howco. Tubing shut in for 20 minutes and pressure increased to 900 psi. Bled tubing off and started swabbing.

Fluid level	Depth Pull		Recovery
IFL surface	1500		Water
1300	2800		Water
2400	4000		Acid and acid gas
3500	5000		Acid and acid gas
4200	4700		Skim oil
5200	6670	SN	2% oil, 98% brown water
6000	6560		10% oil, 90% brown water
6560	6560		Tbg dry, SD 30 minutes
6400	6560		150' of fluid, 35% oil, 65% brown water

LWOTT, SDON. Hauled 620 bbls out of reserve. Pit wall is leaking.

10/20/00 Well is open to tank. IFL 4900' pulled from SN 6560' recovered 50% oil. 2nd - FL 6400 recovered 3% oil. SD 30 min. 3rd - slight fluid return. 4th slight return. Attempted to release packer. Loaded tubing with 30 bbls 2% KCL and released packer. POH with tubing and tools. Wait on WL. RU Jarrel and perforate Drinkard at 6510-6535 with 4 JSPF with 90 deg phasing. Shot .27 entry hole with 17.5' depth. RIH with 4-1/2" RBP, retrieving tool, 4-1/2" packer, SN, and 209 jts tubing. Set RBP at 6609' KB. Set packer with 208 jts at 6579'. Test RBP to 4000 psi. Set packer with 204 jts in hole at 6449. Started swabbing as follows: IFL surface, 2nd - 1500', 3rd - 3000', 4th - 4500', 5th - dry. LWOTT, SDON.

10/21/00 Fluid Level at 6000'. RU Cudd, pressured annulus to 1000 psi and treated well as follows:

Rate bbls/min	bbls away	tbg press	
2.6	10	75	
2.7	15	70	
2.7	20	60	
2.7	24	4250	Loaded hole
2.7	26	4250	Acid on perfs
2.7	30	4000	10 balls on
2.7	35	4020	20 balls on
2.7	39	4050	30 balls on
2.7	42	3850	40 balls on
2.7	43	3400	50 balls on
2.7	46	3180	50 balls on
2.7	57	3130	80 balls on
2.7	70	3170	110 balls on
2.7	80	3220	125 balls on
2.7	87	3220	

ISIP 2600, 5 min - 2410, 10 min - 2340, 15 min - 2280. Pumped 2500 gals 15% NEFE with 15% S-3000 anti sludge, dropped 125 1.3 SG ball sealers. Flushed job with 2% KCL. Released pressure and started swabbing. 1st – surface - 2000', 2nd - 1800-3800, 3rd - 2200-4200, 4th - 2800-4800 skim oil, 5th - 3000-5000 5% oil, 6th - 3800-5800 10% oil, 7th - 5300-6447 30% oil, 8th - 6200-6447 30% oil, 9th - 6000-6447 50% oil, 10th Dry. SD 45 mins. 11th - 5300-6447 80% oil, 12th - 5900-6447 85% oil, 13th - 6200-6447 90% oil. Well is making 3 bbls of oil per hour. LWOTT, SDOWE. Roustabout crews started hooking up production equipment. Welder made 22 1/2 deg nipples, and stands for production lines. Total load to recover 85 bbls. Load recovered 56 bbls. BLLTR 29 bbls.

10/22/00 Roustabout crews plumbing production equipment. 95% completed.

10/23/00 Well is open to tank. Start swabbing. IFL 1500' pulled from 3500'. Bottom sample on run was 100% oil. Well unloaded 14 bbls of oil in 40 minutes. 2nd run 3600'-5600', shut down 30 minutes. 3rd run 5000'-SN, shut down 30 minutes. 4th run 5200'-SN. Recovered 28 bbls of oil with good gas blow. RD swab. Open bypass on packer. Release packer. POH with tubing. Laid down packer. ND BOP. Installed frac valve. SWI. 65 bbls of annulus water to recover. Filled 3 frac tanks with 1350 bbls water from Cooper North station. Dowell took water samples. RU flow-back equipment. Roustabout crew ran gas line and roll line.

10/24/00 MIRU Dowell frac equipment. Attempt to frac Drinkard perf 6510-6535 unsuccessfully as follows: load 4-1/2" casing with 28 bbls linear gel. Pump 7 bbls YF 135 (35 lb guar gel with Borate xlink). Shut down for equipment repair. Repair hydraulic hose in 4 hours. Resume pumping. Pumped 292 bbls xlinked 35# gel at 13 BPM at 4650 psi. Pressures were much higher than expected, so xlink was cut from system and a step rate test (step down) was performed at 10, 8, 6, 3 BPM while pumping 35# linear gel. Final pump pressure at 3305 psi at 3.2 BPM. Shut down. ISIP at 3176. Monitor and record pressure for 1-1/2 hours, 5 min-3026, 10 min-2934, 15 min-2866, 60 min-2449, 86 min-2270. (Note: all xlink was pumped into formation and step rate was conducted with linear fluid in casing and through perfs.) OWTP. Flow approximately 20 bbls to pit. Pressure bled to 0 psi in 2-3 minutes. SWI. Pressure increased to 1556 psi. Resume pumping linear gel. Establish injection rate at 25.5 BPM at 4400 psi. Rates are much higher than initial pump in with pressures being lower. SD for 5 minutes. ISIP at 3136 psi. 5 min-3053. Resume pumping. Add 2880 lbs of 20/40 sand at .5 PPG. Had 30-40 psi increase when sand hit formation. Flush to top perf at 24.5 BPM 4500 psi. Last rate 24.5 BPM at 4500 psi. SD. ISIP 3383, 5 min-3085, 10 min-2975, 15 min-2893. 978 BTL. OWTP on various chokes. Flow approximately 20 bbls to pit. Pressure decreased to 0 psi in 4-5 minutes. Turn well to tank. Flow 55 bbls in 11 hours. Small trickle of fluid at report time. 75 BLR. 903 BTLLR.

10/25/00 ND frac valve. NU BOP. RIH with SN and 208-1/2 joints tubing. POH with balance of 204 joints in hole. Start swabbing without packer as follows: IFL surface, made 19 swab runs and recovered 97 bbls water. EFL 4900'. Skim to 1% oil on last 8 runs. Vacuum truck emptied cellar and pulled water out of frac tank.

10/26/00 Tubing open to tank. Casing shut in with 180 psi. IFL 2100'. Made 39 swab runs, recovered 100 bbls water. EFL at 6200'. Last run, oil cut 20%. LWOTT, SDON. Casing pressure at 6:00 pm, 300 psi. Removed 3 frac tanks. Set 2 lined tanks. Note: Post analysis of pressure data from previous frac attempt on 10/24/00 indicated that if another attempt to frac Drinkard perfs from 6510-6535 with sand that there would be a high probability of screen out. Therefore, the well will be frac'd 10/27/00 with 30000 gals acid. Acid will be Dowell SXE system (emulsified acid).

10/27/00 Continue swab. FL at 3000'. 85% oil. Swab 31 bbls total. 675 BTLLTR. SICP 750#. Release pressure. TIH with 2 stands tubing to 6515. RU kill truck. Circulate with 2% KCL (110 bbls). RD kill truck. TOH with 104 stands tubing. ND BOP. NU frac valve. RU Dowell and acidize as follows: 1) 37 bbls 20% HCL (loads with 16 bbls acid on perfs 14.8 BPM at 4400#). 2) 654 bbls 28% sxe acid. 3) Acid on perfs, 15 BPM at 4250#. 4) Increase rate 20 BPM at 4400#. 5) Increase rate 21.8 BPM at 4700#. 6) Set rate 21 BPM at 4600# (148 bbls pumped). 7) 47 bbls 20% HCL, 21 BPM at 4600#. 8) Flush with 102 bbls 2% KCL, 21 BPM at 4300#. ISIP 3318#, 5 min 2939, 10 min 2811, 15 min 2915. RD Dowell. 840 BTL, 1515 BTLLTR. Leave well shut in 4 hours. SITP 1125#. Begin flow back on 14/64 choke. Slowly increase choke to full open after 105 min and 50 bbls recovered. LWOTT. 1465 BTLLTR (196 bbls diesel + 1269 BW).

10/28/00 Flow 13 bbls overnight. FTP 4 psi. Total fluid recovered in flow back 63 bbls. ND frac valve. NU BOP. TIH with 102 stands tubing (6449' SN). RU swab. FL stabilized at 1500' with increasing gas show between swab runs. Oil cut at end of day, 30%. Fluid swabbed, 139 bbls (42 BO + 97 BW). LWOTT. SDON. 1159 BTLLTR.

Daily Cost: $60,100 Cum Comp Cost: $202,876 TWC: $529,976

10/29/00 Tubing open to tank. SICP 150#. Continue swab. FL first run at 1300'. 90% oil. Well flows after each swab run. Increasing gas show through day. FL at 2800' last 2 hours. 30-40% oil cut. Total fluid recovered in 9-1/2 hours, 56 BO + 105 BW. 98 BO + 265 BTLR. 1054 BTLLTR.

REVISED REPORT

10/30/00 Well is open to tank, continue swab. FL @ 1500' 28 oil and 22 water. RDMOPU Roustabout crew tied flow line to treater, cemented load line stands. MIRUSU FL first run @ 1200', well flows after each swab run, last run FL 1300' last 2 hours 80% oil. Total swab recovery for the day 47 oil, 33 water. Good gas after swab. CP @ 300 psi. LWOTT. SDON. Contractor rigged down all flow back equipment. Contractor started hauling off frac tanks. Flow 47 BO + 35 BW in 13 hrs. Total recovery for 24 hr period is 94 BO + 68 BW. Total recovery since acid frac is 192 BO + 333 BW. 986 BTLLTR.

10/31/00 FL 1200' swabbed well – 13 runs. All samples of flowing and swabbing have been 85-90% oil. Each run was followed by 5-10 minutes of strong gas blow. Total recovery 71.75 BO + 5.5 BW. LWOTT. Flow 13.75 BO in 13 hrs. Total recovery for 24 hr. period is 85.25 BO + 5.5 BW. Total cum recovery is 277.25 BO + 338.5 BW. 980 BTLLTR.

11/01/00 FL 3300' Csg 520 psi, Casing pressure 750 psi, swabbed well as follows:

Run#	Fluid Level	Pull Depth	Recover	Remarks
1	3300	SN	Unloaded for 20 mins.	
2	800	3300	8.75 80/20	
3	2600	5600	6.88 90/10	
4	2100	SN	5.50 90/10	1 run per hour
5	3600	SN	4.81 90/10	1 run per hour
6	4000	SN	3.44 90/10	1 run per hour
7	4300	SN	3.44 90/10	1 run per hour
8	4000	SN	5.50 90/10	1 run per hour
9	4300	SN	4.81 90/10	1 run per hour
10	4700	SN	2.75 90/10	1 run per hour
11	4300	SN	2.75 90/10	1 run per hour

Total swab recovery for the day in 10 hrs is 20 BO + 33 BW. LWOTT. Flow 17 BO in 13 hrs. Total recovery for 24 hr period is 37 BO + 33 BW. Total cum recovery is 314 BO + 372 BW. 947 BTLLTR.

11/02/00 BFL 1800' Csg 550 psi, swabbed well as follows:

Run#	Fluid Level	Pull Depth	Recover		Remarks
1	1800	3800	8.25	100% oil	1 run per hr.
2	3300	SN	6.88	90/10	1 run per hr.
3	4000	SN	4.12	90/10	1 run per hr.
4	4000	SN	6.88	90/10	1 run per hr.
5	4000	SN	3.43	90/10	1 run per hr.
6	4300	SN	3.45	90/10	1 run per hr.
7	4000	SN	3.43	90/10	1 run per hr.
8	4700	SN	6.19	90/10	1 run per hr.
9	4700	SN	3.44	90/10	1 run per hr.
10	4700	SN	3.43	90/10	1 run per hr.

Swab 37 BO + 12 BW in 10 hrs and 10 runs. LWOTT. Flow 10 BO + 4 BW in 13 hrs. Total recovery for 24 hr period is 47 BO + 16 BW. Total cum recovery is 361 BO + 388 BW. 931 BTLLTR.

11/03/00 IFL 1200'. Casing 580 psi. Swabbed well as follows:

Run#	Fluid Level	Pull Depth	Recover		Remarks
1	1200	3800	2.39	100% oil	1 run per hr.
2	1700	SN	5.78	90/10	1 run per hr.
3	2600	SN	5.50	90/10	1 run per hr.
4	4100	SN	5.50	90/10	1 run per hr.
5	4300	SN	3.43	90/10	1 run per hr.
6	4300	SN	3.43	90/10	1 run per hr.
7	4300	SN	2.06	90/10	1 run per hr.
8	4900	SN	3.44	90/10	1 run per hr.
9	4800	SN	2.75	90/10	1 run per hr.
10	4900	SN	2.06	90/10	1 run per hr.

Swab 47 BO + 16 BW in 10 runs and 10 hours. LWOTT. SDON. Well flowed 11.3 BO + 3.8 BW in 14 hours. Total recovery for 24 hour period is 58.3 BO + 19.8 BW. Total cum recovery is 419.3 BO + 408 BW. 911.2 BTLLTR.

11/04/00 BFL at 1400'. Swab 46.1 BO + 1.9 BW in 11 runs and 10 hours. EFL at 5100'. LWOTT. Flow 2.9 BO + .1 BW in 14 hours. Total recovery for 24 hours is 49 BO + 2 BW. Total cum recovery is 468.3 BO + 410 BW. 909 BTLLTR.

11/05/00 BFL at 2600. Swab 19.9 BO + 5.1 BW in 5 hours. EFL at 4600'. LWOTT. Flow 39.5 BO + 10.2 BW in 19 hours. Total recovery for 24 hours is 59.4 BO + 15.3 BW. Total cum recovery is 527.7 BO + 425.3 BW. 893.7 BTLLTR.

11/06/00

Run#	Fluid Level	Pull Depth	Recover	Remarks
1	1200	3800	100% oil	1 run per hr
2	3000	SN	8.25 90/10	1 run per hr
3	4300	SN	8.25 90/10	1 run per hr
4	4000	SN	5.50 90/10	1 run per hr
5	4000	SN	2.75 90/10	1 run per hr
6	4300	SN	2.75 90/10	1 run per hr
7	3300	SN	6.87 90/10	2 runs per hr
8	3300	SN	5.50 90/10	2 runs per hr
9	4000	SN	4.13 90/10	2 runs per hr
10	4000	SN	4.13 90/10	2 runs per hr
11	4700	SN	5.50 90/10	2 runs per hr
12	4700	SN	4.13 90/10	2 runs per hr
13	3000	SN	2.06 90/10	2 runs per hr
14	3000	SN	2.06 90/10	2 runs per hr

IFL at 1200'. Swab 33.70 BO + 14.4 BW in 14 runs and 10 hours. EFL at 3000' and scattered. LWOTT. SDON. Flow 4.8 BO + 2.1 BW in 14 hours. Total recovery for 24 hour period is 38.5 BO + 16.5 BW. Total cum recovery is 566.2 BO + 441.8 BW. 877.2 BTLLTR. Casing pressure 520 to 220 at end of swabbing.

11/07/00

Run#	Fluid Level	Pull Depth	Recover	Remarks
1	3300	SN	2.75	100% oil
2	4600	SN	4.12	
3	4700	SN	4.12	
4	4700	SN	4.12	

IFL at 3300'. Swab 10.5 BO + 4.5 BW in 4 runs and 3 hours. EFL at 4700' and scattered. Flow 10.5 BO + 4.5 BW overnight. Total recovery for 24 hour period is 21 BO + 9 BW. Total cum recovery is 587.2 BO + 450.8 BW. 868.2 BTLLTR. Casing pressure 420 to 300 at end of swabbing. Sent water and oil sample to Dowell in Hobbs.

11/08/00 BFL at 3300'. Swab 34 BO + 1.75 BW in 10 runs and 10 hours. EFL at 4800' and scattered. Casing pressure in am at 440. Casing decreased throughout the day to 260 psi. LWOTT. SDON. Flow 6.6 BO + .3 BW in 14 hours. Total recovery for 24 hour period is 40.6 BO + 2.1 BW. 866.1 BTLLTR. Sent another sample to Dowell.

11/09/00 IFL at 3300'. Made 6 runs, recovered 24.76 bbls. EFL 5000' and scattered. Casing pressure 440 to 240 at end of swabbing. LWOTT. RDMOSU. Set matting board, MIPU. Pulling unit broke hydraulic hose while raising derrick. Repaired hose and finished rigging unit up. SDON. Tied casing to tubing and bled both to tank. Contractor setting frac tanks. Well unloaded 66 bbls overnight. Unable to color cut. 866.1 BTLLTR. Sent another sample to Dowell.

11/10/00 Well flowed 66 bbls overnight. FTP 0, SICP 0. TOH with tubing. TIH with RBP, collar locator and tubing. Set plug at 6490'. Release setting tool. Circulate with 110 bbls 2% KCL. Plug will not test. Move plug and reset at 6480'. Wait on replacement for kill truck. Circulate with 40 bbls 2% KCL. Test plug and casing at 4500# for 15 min – good. Release pressure. Pump 500 gallons 15% NEFE double inhibitor acid. Displace with 22 bbls 2% KCL. Acid spot 5680' - 6450'. TOH and lay down 25 joints tubing. Shut well in. SDON. Note: plug is set with 205 joints plus 9'.

11/11/00 TOH with tubing and tools. RU JWS wireline. TIH with 3.375" perf gun loaded 4 SPF 90 degree phasing and CCL. Perf Tubb from 6435' – 6450'. FL prior to perf at 700'. Strong vacuum after perf. TOH with guns. FL at 2150'. RD JWS. TIH with SN and tubing. RU swab. FL 1st run at 3000' (BHP 1504 psi). Swab 54 bbls fluid (5% oil). FL at 3000'. SICP 80#. Small gas show between runs. SI, SDON.

11/12/00 SITP 750, SICP 530. Release tubing pressure. Continue swab. FL 1st run at 3000' and scattered. Swab 117 bbls in 8 hours. Good gas show between runs. 40% oil at end of day. FL at SN. Wait 1hour. Recover 5 bbls. SICP 400#. Total fluid recovered 176 bbls.

11/13/00 SITP 400#. Casing open to tank. Release tubing pressure. TOH with tubing. ND BOP. NU frac valve. MIRU Schlumberger and frac Tubb perfs 6435-50 down 4-1/2 casing with 130611 lbs 20/40 sand and 47544 gals X-link Borate as follows:

Stage	Slurry Volume	Rate	Prop Cont	Fluid	Prop Mass	Pressure
Pad	357.0	25.5	None	YF135D	0	4400
2.00 ppg	104.0	45	20/40 Jordan	YF135D	8075	4200
3.00 ppg	189.0	45	20/40 Jordan	YF135D	21352	4200
4.00 ppg	281.0	45	20/40 Jordan	YF135D	40152	4150
5.00 ppg	175.0	45	20/40 Jordan	YF135D	30276	4150
6.00 ppg	165.0	45	20/40 Jordan	YF135D	30756	4150
Flush	98.0	45 - 7	None	WF130	0	4400
					130611	

ISIP 4083#, 5 min 3891#, 10 min 3777#, 15 min 3712#, 26 min 3552#, 30 min 3506#. RD Schlumberger. 190 min SICP 1850#. Begin flowback on 16/64 choke at 3:00 pm 11/13/00. Flow 106 BW + 38 BO in 17 hours. Flowing 4 BPH at report time. 50 psi at report time. Opened choke to 48/64. 106 BTLR of 1230 BTL. 1124 BTLLTR.

11/14/00 FCP 50#, 16/64 choke. ND frac valve. NU BOP. TIH with packer and tubing to 2400'. Well flows water with sand. TOH with same. Lay down packer. TIH with RBP retrieving tool and tubing to 3200'. Circulate with 50 bbls 2% KCL. Recover show of sand. TIH to tag fill at 6450'. Circulate with 60 bbls 2% KCL. See very little sand. TOH, SN at 6330'. RU swab. FL 1st run at surface. Swab 89 bbls water (trace of oil) in 2.5 hours. FFL at 1700'. LWOTT. SDON. 233 BTLR. 997 BTLLTR.

11/15/00	Tubing 0#, SICP 30#. Continue swab. FL 1st run at 400'. 10% oil cut. Swab 258 bbls total in 10 hours. Casing pressure 0#. FFL at 3400'. LWOTT. SDON. Note: oil cut 2nd run 2%, last run 5%. No gas show. 491 BTLR. 739 BTLLTR.
11/16/00	SITP 160#, SICP 40#. Continue swab. FL 1st run at 2400'. Swab 218 bbls in 10 hours. Slight gas show. 5% oil cut. FFL at 4400' and scattered. SICP 140#. 709 BTLR. 521 BTLLTR.
11/17/00	Tubing open to tank. No flow overnight. SICP 320#. FL 1st run at 2300'. Oil cut 1st run 100%. Swab 15 BO + 100 BW in 9 hours. Gas between runs increasing throughout the day. FFL at 3300' and scattered. Final cut at approximately 7% oil. 809 BTLR, 421 BTLLTR.
11/18/00	SICP 480#. Tubing open to tank. No flow overnight. Continue swab. FL 1st run at 1800'. First run 100% oil. Swab 25 BO + 165 BW in 10 hours. Good gas show between runs. Pull swab from SN, recover average 1600' scattered fluid each run. Final cut at 10% oil. 974 BTLR, 256 BTLLTR.
11/19/00	SICP 600#. Tubing open to tank. No flow overnight. Continue swab. FL first run at 3700'. First run 100% oil. Swab 35 BO + 118 BW in 10 hours. Good gas show between runs. Oil cut 10%. Pull swab from SN, recover average 1400' scattered fluid each run. 1092 BTLR, 138 BTLLTR.
11/20/00	SICP 770#. Release pressure. RD Key. RU Basic well service. TIH with tubing to 6450'. Circulate with 100 bbls 2% KCL. Continue circulating, wash sand down to RBP at 6480'. Latch retrieving tool, release RBP. TOH with same. TIH with retrieving tool and tubing. Tag sand at 6513'. Circulate clean to RBP at 6609'. Continue circulating with 40 bbls (note: slight sand returns through total circulation.) Latch retrieving tool, release RBP. TOH with tubing and RBP to 6300'. LWOTT. SDON.

11/21/00 TOH with tubing and RBP. TIH with plug, 1 joint tubing, 4' perf sub, SN, 23 joints tubing, TAC, and 177 joints tubing. ND BOP. NU well head. Install B-1 3K hanger flange. Pick up and TIH with 16' gas anchor, pump, 251 new 3/4" grade 97 Trico rods with full hole spray metal couplings, 2'- 2'-4'-6'-8' X 3/4" rod subs, and 1.5" X 16' spray metal polish rod. Space out. SWI.

Tubing Detail:

	Mud joint (plugged)	31.00
	Perf sub	4.00
	SN	1.10
23 jts	J-55 8rd tubing	726.00
	2-3/8 x 4-1/2 (16#) TAC set 14 pt tension	2.90
177 jts	Ditto tubing	5580.00
200 jts	Total tubing and tools	6345.00
	KB adjustment	15.00
	EOT	6360.00

11/22/00 RD Basic. Re-align pump unit (set back and left to right). Hang rods. Find walking beam twisted and difficult to repair. Move damaged unit out. Set up rebuilt 320 Emsco unit. Hang rods on unit. Attempt to stroke. Unit has been modified to 120 inch stroke (20 inches more than polish rod was spaced for). Rod box strikes stuffing box on up stroke, knocking unit out of level. Pump unit must be reset, and polish rod replaced. Leave well open to gas sales line. SD for Thanksgiving.

11/27/00 Weatherford/Leamco on location to re-set pump unit 11:00 am. Change stroke to 100 inch. Change polish rod (out: 16' polish rod and 2 - 2' x 3/4" rod subs. In 22' polish rod). Connect electric power. Space out, hang on. Put on 8 strokes/minute, 100" stroke. PPS (testers) will watch over-night. 14 hour production: 15 BO, 86 BW, gas rate of 30 - 70 MCFD (gas sales started at 7:30 am 11/28/00).

Rod Detail:

	Pump: 2 x 1.5 x 20' RHBC with charger valve
	1.5 x 6' sm plunger, 153" max stroke
251	3/4" Trico T66 (high strength) rods
	4', 6', 8' x ¾ rod subs
	1.5" x 22' polish rod

11/28/00 5 oil, 3 MCF, 111 water

11/28/00 **(Amended)** No report, production will lag behind one day

11/29/00 43 oil, 41 MCF, 131 water, 180 tubing pressure, 16/64 choke on casing

11/30/00 33 oil, 39 MCF, 80 water, 8.5 spm, quit pumping, shut down

12/01/00	0 oil, 35 MCF, 15 water, 9.5 hour test. 50% run time
12/02/00	13 oil, 7 MCF, 2 water, 26 hours. Found not pumping, Lower rods. Left on 50% RT.
12/03/00	49 oil, 24 MCF, 49 water, 16 hours. 50% run time.
12/04/00	39 oil, 71 MCF, 107 water, 600 tbg pressure, 35 casing pressure, 22 hours
12/05/00	46 oil, 89 MCF, 96 water, 540 tbg pressure, 30 casing pressure, 24 hours
12/06/00	50 oil, 101 MCF, 77 water, 600 tbg pressure, 30 casing pressure
12/07/00	52 oil, 110 MCF, 70 water, 550 tbg pressure, 35 casing pressure
12/08/00	58 oil, 111 MCF, 48 water, 600 tbg pressure, 60 casing pressure
12/09/00	59 oil, 111 MCF, 99 water, 600 tbg pressure, 50 casing pressure
12/10/00	55 oil, 105 MCF, 38 water, 600 tbg pressure, 40 casing pressure
12/11/00	44 oil, 109 MCF, 36 water, 540 tbg pressure, 65 casing pressure
12/12/00	55 oil, 115 MCF, 61 water, 540 tbg pressure, 55 casing pressure
12/13/00	55 oil, 117 MCF, 58 water, 540 tbg pressure, 110 casing pressure
12/14/00	47 oil, 116 MCF, 64 water, 570 tbg pressure, 30 casing pressure
12/15/00	58 oil, 130 MCF, 30 water, 580 tbg pressure, 110 casing pressure
12/16/00	61 oil, 133 MCF, 61 water, 550 tbg pressure, 60 casing pressure
12/17/00	52 oil, 133 MCF, 51 water, 550 tbg pressure, 30 casing pressure
12/18/00	50 oil, 120 MCF, 41 water
12/19/00	63 oil, 116 MCF, 43 water, late, 80% run time
12/20/00	41 oil, 110 MCF, 31 water, 440 tbg pressure, 30 csg pressure