WRS COMPLETION REPORT

REISSUES
P1# 30-T-0014 09/29/86

SEC 29 TWP 12S RGE 34E
30-025-28729-0000

NMEX (STATE) LEA (COUNTY) * 660FNL 660FWL SEC (FOOTAGE) NW NW (SPOT)
D DO

HARPER OIL (OPERATOR) (WELL CLAS)

2 (WELL NO.) FRIER (LEASE NAME)

4209KB 4195GR (OPER ELEV) HIGHTOWER (FIELD POOL AREA)

API 30-025-287 (PERMIT OR WELL I.D. NO.) (LEASE TYPE NO.)

05/24/1984 (SPUD DATE) 08/13/1984 (COMP. DATE) ROTARY (TYPE TOOL) OIL (STATUS)

10450 (PROJ. DEPTH) PNNSYLVN EXETER DRLG (PROJ. FORM) 66 (CONTRACTOR) RIG SUB 13

DTD 10420 (DRILLERS T.D.) PB 10364 (LOG T.D.) (PLUG BACK TD) FM/TD PNNSYLVN (OLD T.D.) (FORM T.D.)

LOCATION DESCRIPTION

14 MI SE CAPROCK, NM

CASING/LINER DATA

CSG 13 3/8 @ 417 W/ 380 SACKS		01
CSG 8 5/8 @ 4201 W/ 1700 SACKS		02
CSG 5 1/2 @10420 W/ 1850 SACKS		05

TUBING DATA

TBG 2 3/8 AT 10208

INITIAL POTENTIAL

IPP 25BOPD	12BW	24HRS
PNNSYLVN PERF	10259-10268	011
GTY 38.0 GOR 800		

TYPE	FORMATION	LTH	TOP	DEPTH/SUB	BSE	DEPTH/SUB	
LOG	RUSTLER		1882	2327			
LOG	SALT		2297	1912			
LOG	YATES		2760	1449			
LOG	SVN RVRS		3090	1119			
LOG	QUEEN		3398	811			
LOG	GRAYBURG		3642	567			
LOG	SN ANDRS		4100	109			
LOG	GLORIETA		5522	-1313			
LOG	PADDOCK		6940	-2731			

CONTINUED IC# 300257019584

Copyrighted
Reproduction
Prohibited

HARPER OIL
2 FRIER D DO

TYPE	FORMATION	LTH	TOP DEPTH/SUB	BSE DEPTH/SUB
LOG	BLINEBRY		7072 -2863	
LOG	TUBB		7542 -3333	
LOG	ABO		7682 -3473	
LOG	WOLFCAMP		9145 -4936	
LOG	CISCO		9852 -5643	

FORMATION TEST DATA

DST 1 10238-10259 RNGER LK S003
REC 10.0 FT OIL 340.0 FT OCM
REC 20.0 FT WTR 125.0 CFT GAS
REC 200.0 CC OIL 1500.0 CC WTR
INIT OP 15M IFP 60 FFP 85
FINAL OP 1H30M IFP 96 FFP 211 BHT 160F
ISIP 2903 1H FSIP 2895 3H IHP 5540 FHP 5540

DST 2 10257-10288 RNGER LK S004
REC 976.0 FT OIL 1.5 CFT GAS
REC 800.0 CC OIL
INIT OP 15M IFP 44 FFP 119
FINAL OP 1H30M IFP 69 FFP 345
ISIP 3356 1H FSIP 3293 3H IHP 5564

PRODUCTION TEST DATA

PTS 1UO 1.0UG 24HRS
PNSLVN L PERF W/ 2/FT 10259-10268 006
PERF 10259-10268
SWBD W/SG&O IN 24 HRS

PTS 1UO
PNSLVN L PERF
ACID 10259-10268 500GALS 10259-10268 007
7 1/2% MSA
SWBD 62 BW + 6 BNW IN 17 RUNS W/GSO ON LAST RUN

PTP 24BOPD 14BW 24HRS
PNSLVN L PERF 10259-10268 008

PTP 22BOPD 15BW 24HRS
PNSLVN L PERF 10259-10268 009

CONTINUED

HARPER OIL
2 FRIER D DO

PRODUCTION TEST DATA

PTP 36BOPD
PNNSYLVN PERF 10259-10268
PPD 36 BO + 45 BLW IN 24 HRS

LOGS AND SURVEYS /INTERVAL,TYPE/

LOGS DLL CNL LDT

DRILLING BREAKS

10265-10275
10360-10370

DRILLING PROGRESS DETAILS

HARPER OIL
904 HIGHTOWER BLDG
OKLAHOMA CITY, OK 73102
405-367-5125

05/14 LOC/1984/
05/30 DRLG 3680
06/05 DRLG 4635
06/11 DRLG 7093
06/26 DRLG 10193
07/02 10420 TD, RNG LOGS
07/10 10420 TD, WOCT
07/16 10420 TD, PB 10364, SWBG
07/20 10420 TD, PB 10364, SWBG
08/15 10420 TD, PB 10364, TOP
08/20 10420 TD, PB 10364, TOP
08/27 10420 TD, PB 10364, TOP
09/24 LOCAL CALLS: RANGER LAKE UPPER 10202, RANGER LAKE LOWER 10256
RIG REL 07/04/84
09/08 10420 TD, PB 10364
COMP 8/13/84, IPP 25 BO, 12 BWPD, GOR 800, GTY 38
PROD ZONE - PENNSYLVANIAN 10259-10268
NO CORES, TWO DSTS RPTD
09/24 REISSUED TO CORRECT NO CORES & DSTS STMT, TO ADD DRLG BREAKS, KB ELEV & DSTS
REPLACEMENT FOR CT ISSUED 9/8/84

Petroleum Information.

© Copyrighted Reproduction Prohibited

COUNTY LEA FIELD Hightower E STATE NM

OPR HARPER OIL API 30-025-28729

NO 2 LEASE Frier MAP

Sec 29, T12S, R34E COORD

660 FNL, 660 FWL of Sec 8-2-6 NM

14 mi SE/Caprock RESPD 6-10-85 RECMP 6-30-85

CSG.

13 3/8-417-380 sx
8 5/8-4201-1700 sx
5 1/2-10,420-1850 sx
2 3/8-9799

WELL CLASS: INIT DX FIN DO LSE. CODE

FORMATION	DATUM	FORMATION
TD 10,420 (PSLV)		PBD 10,201

IP (Pennsylvanian) Perfs 9929-9947 P 40 BOPD + 50 BW. Pot based on 24 hr test. GOR 1000; gty (NR)

CONTR OPERATOR 4195 GR, 4209 KB SUBS

F.R.C . 8-10-85 OWWO
PD 10,201 WO
(Orig. Cmp. 8-13-84 thru (Pennsylvanian)
Perfs 10,259-10,268, OTD 10,420, OPB 10,364)

8-5-85 TD 10,420; PBD 10,201; Complete
CIBP @ 10,201
Perf (Pennsylvanian) 9926-9928, 9932-9947
w/1 SPF
Acid (9926-9947) 200 gals (15%)

8-10-85 COMPLETION ISSUED

8-2-6 NM
IC 30-025-70380-85

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-121
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No.
Harper Oil Company	Frier	2

Unit Letter	Section	Township	Range	County
D	29	12 South	34 East	Lea

Actual Footage Location of Well:
660 feet from the North line and 660 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage
4195.1'	Bough "B"	East Hightower-Upper Pennsylvanian	80 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

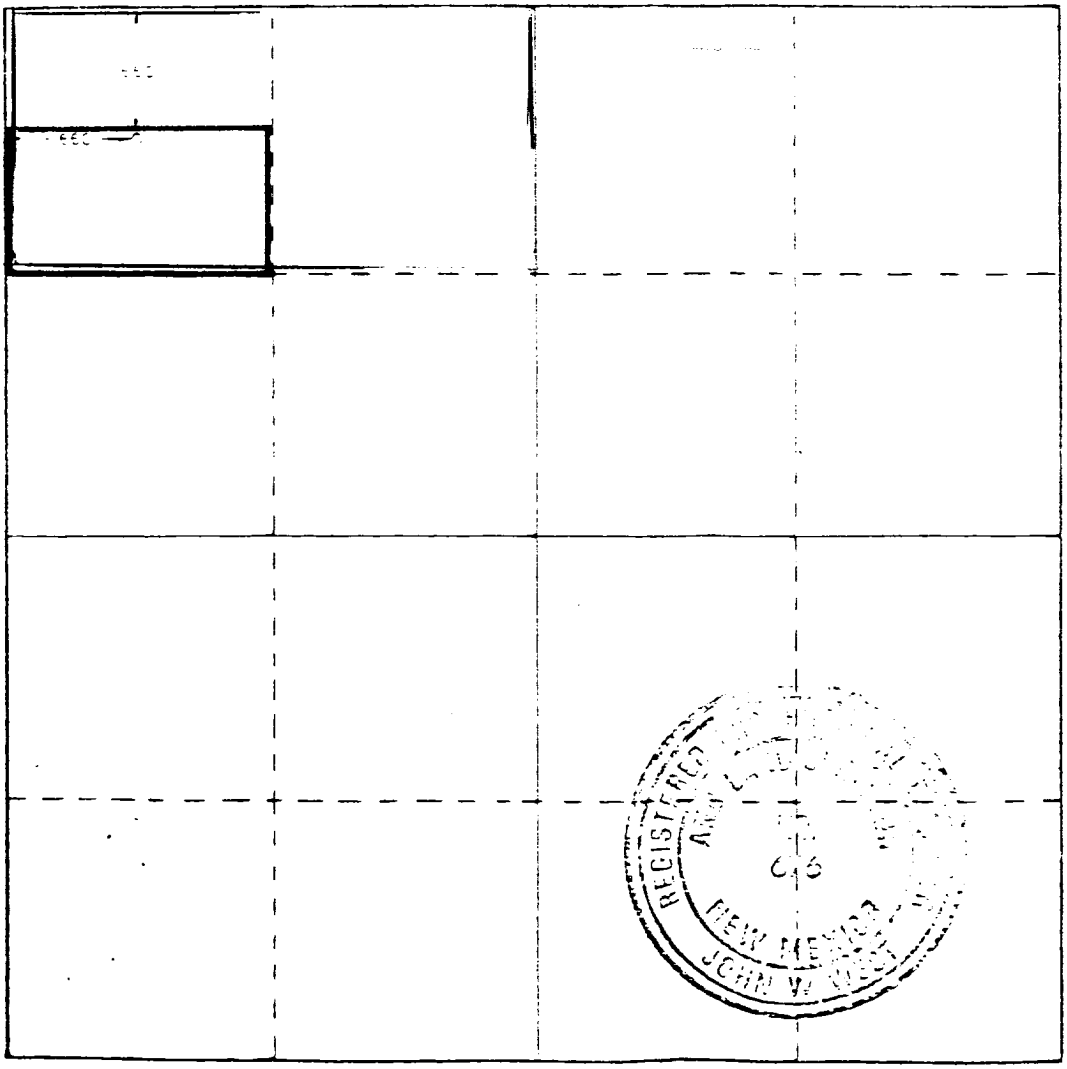
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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: [illegible]

Position: Agent

Company: Harper Oil Co

Date: 5-7-84

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: [illegible]

Registered Professional Engineer and/or Land Surveyor

John W. West

Certificate No. JOHN W. WEST 676

RECEIVED
JUL 23 1985