

FORM C-122E WORKSHEET FOR STEPWISE CALCULATION (SURFACE) PRESSURE ~~Fr~~ & Pw)

COMPANY : UNICAL

LEASE : RED HILLS WELL NO. :

DATE : 8 14 91

UNIT : 0

SECTION : 0

TOWNSHIP : 0

RANGE : 0

L : 14400

H : 14400

L/H : 1.0

G/GMIX : 0.646

CO2 : 0.49

N2 : 0.69

H2S : 0.69

d : 2.232

Fr : 0.010700

Qm : 0.000 (L/H)(FrQm)0.000000

PCR : 670

TCR : 372

LINE	ITEM	SOURCE	1	2	3	4	5	6
1	H		14400	7200		0		
2	GH		9302.4	4651.20		0		
3	37.55H		348840	174420		0		
4	Pc or Pn		3560.1	3064.4	3053.1	2547.7	2514.0	2317.4
5	Pr		5.36	4.57	1.56	3.60	3.75	3.76
6	T		678	606	606	534	534	534
7	Tr		1.62	1.63	1.63	1.44	1.44	1.44
8	Z		0.933	0.850	0.850	0.737	0.737	0.736
9	P/ZP/Z	4/8	3893.7	3405.4	3593.9	3458.7	3413.0	3421.7
10	P/TZ	P 6	5.6839	5.9495	5.9305	5.4770	5.3915	5.4077
11	Ln10*Z/1000(10)2/100(1)							
12	L/H(FrQm)2							
13	In	11+12						
14	In	10/13	175.936	168.091	166.619	154.391	156.462	156.062
15	M=Pn-Pn-1			496	507	505	539	536
16	N=In+In-1			344.017	344.555	325.011	325.081	324.682
17	M x N	15x16			174693			173933
18	SUM(MxN)	SUM17	348840		174147			

DELTA P = 1039.8

Pw = 2520.4

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well ☐ Oil Well ☒ Gas Well ☐ Other	5. Lease Designation and Serial No. NM-0160973
2. Name of Operator Union Oil Company of California	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. P. O. Box 671 - Midland, TX 79702 (915)682-9731	7. If Unit or CA, Agreement Designation Red Hills Unit
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1980' FSL & 2180' FWL of Sec. 5, T-26-S, R-33-E	8. Well Name and No. Red Hills Unit #3
	9. API Well No.
	10. Field and Pool, or Exploratory Area Red Hills (Dev.) Gas
	11. Country or Parish, State ARIZONA Lea County, New Mexico

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
☐ Notice of Intent	☐ Abandonment
☒ Subsequent Report	☐ Recompletion
☐ Final Abandonment Notice	☒ Plugging Back
	☐ Casing Repair
	☒ Altering Casing
	☐ Other
	☐ Change of Plans
	☐ New Construction
	☐ Non-Routine Fracturing
	☐ Water Shut-Off
	☐ Conversion to Injection
	☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)

07/16

FINISH TIH W/ NEW BIT TO 12,310'. FINISH DRILLING RUBBER PLUG, DRILLED CMT TO 12,695' & FELL OUT OF CMT. CIRC HOLE CLEAN. TIH TO TOP OF SAND @ 14,417'. WASHED SAND TO 14,453'. CIRC HOLE CLEAN. TESTED 7-5/8 CSG TO 5000 PSI FOR 30 MIN, HELD OK. POOH, PICKUP OTIS RET TOOL, TIH INC.

07/26

FIN LD DP & DC'S. CHANGE RAMS IN BOP. TSTD BOP TO 8000 PSI, OK. PU OTIS SEAL ASSY, PU & P-TST 2-7/8" TBG TO 10,000 PSI, INC.

07/27

R&L 469 JTS + 4 SUB (14,347.77') OF 2-7/8" 8.7# L-80 IJ3S USED SMLS SUMITOMO TBG @ 14,461' SLM H-TSTG TO 10,000#. SPACED OUT W/ 30" SLACK OFF & LATCHED IN TO OTIS "WB" PKR @ 14,400' WLM W/ OTIS 2.125" "R" NIPPLES @ 14,377, 14,434 & 14,445', BTM OF TBG @ 14,456' (W/L RE-ENTRY GUIDE). PULLED BOP, INST 2 9-1/6" 15,000# TREE, TSTD TO 10,000#/OK. CLEAN PIT & RIG, INC.

07/28

TSTD 7-5/8" X 2-7/8" ANN TO 1500#/30 MIN, OK. RU CUDD PRES CNTL W/ 3/16" BRAIDED LINE & 15,000# LUBR. PULLED PRONB F/ OTIS PLUG @ 14,445'-HAD PRES INCR 0-4700#. NOW GIH W/ BR LINE TO RETR PLUG.

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

Signed Charlotte Beeson Title Drilling Clerk

Date 8-6-91

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

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