

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil Cons. 7-1-2001, 2
1301 W. Grand Ave. Suite 100
Alamogordo, NM 88210

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

C/SF

WELL COMPLETION OR RECOMPLETION REPORT

NM-103570

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion: <input checked="" type="checkbox"/> New Well <input type="checkbox"/> WorkOver <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff Resvr. Other		7. Unit or CA Agreement Name and No.	
2. Name of Operator KUKUI Operating Company		8. Lease Name and Well No. Highlands "14" Fed. #1Y	
3. Address 203 W. Wall St., Suite 810 Midland, Texas 79701		9. API Well No. 30-015-32341	
3a. Phone No. (include area code) 915-687-6200		10. Field and Pool, or Exploratory Wildcat - Huapache Basin	
4. Location Of Well (Report location clearly and in accordance with Federal requirements) At surface 1,980' FNL & 2,000' FWL Sec 14 - T19S - R21E At top prod. Interval reported below At total depth		11. Sec., T., R., M., on Block and Survey or Area Sec. 14 - 19S - 21E	
14. Date Spudded 06/09/02		15. Date T.D. Reached 07/02/02	
16. Date Completed 09/09/02 <input type="checkbox"/> D&A <input checked="" type="checkbox"/> Ready to Produce		17. Elevations (DF, RKB, RT, GL)* 4,244' GL	
18. Total Depth: MD 7,950' TVD		19. Plug Back T.D.: MD 7,844' TVD	
20. Depth Bridge Plug Set: MD TVD			

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) 1.) Density / Neutron 2.) DLL 3.) Sonic 4.) CBL		22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)	
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23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Tool Depth	No. of Sk. & Type of Cement	Slurry Vol. (Bbls.)	Cement Top*	Amount Pulled
26"	20" Struct. Steel		surface	40'		Ready Mix	19	surface	
17 1/2"	13 3/8" H-40	48.0	surface	396'		435 sks C	137	surface	
12 1/4"	9 5/8" J-55	36.0	surface	1,395'		1209 sks C	416	surface	
8 3/4"	5-1/2" N-80	17.0	surface	7,950'		1000 sks 50:50 Poz C	240	4,900'	

24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2-7/8"	7,298'	7,300'							

25. Producing Intervals			26. Perforation Record			
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Atoka	7,328'	7,338'	7,328 - 7,338'	0.42	40	Schlumberger 8/13/02
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.	
Depth Interval	Amount and Type of Material
≈ 5,000'	Squeeze casing leak w/50 sks Class C to 3,000 psi on 8/14/02.
7,328 - 7,338'	Acidize w/500 gals 15% HCL diverted w/40 ea. 7/8" balls on 8/19/02. Frac with 22,000 gals. WF240 70-quality N ₂ foam & 18,400 lbs. 20/40 sand on 8/23/02.

28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
								Not yet tested. Unable to sustain economical flow rate. Presently evaluating well.	

28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

ACCEPTED FOR RECORD
SEP 26 2002
ALEXIS C. SWOBODA
PETROLEUM ENGINEER