

Form 9-881a  
(Feb. 1961)Budget Bureau No. 42-R368.4.  
Approval expires 12-31-60.

(SUBMIT IN TRIPLICATE)

Land Office **Las Cruces**Lease No. **LC 065678**Unit **Mohaffey-FederalARC**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

RECEIVED

## SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF ARTESIAN OFFICE.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

January 9, 1963

Well No. **1** is located **660** ft. from **[N]** line and **1980** ft. from **[W]** line of sec. **14**  
**NW/4 Sec. 14** **20S** **33E** **NMSP**  
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
**Wildcat** **Lee** **New Mexico**  
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is ..... ft.

## DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work.)

**Killed Bone Springs Zone w/Brine water. Pulling the & Packer. Ran 2-3/8" the few Penn Zone, set at 13698. Ran 2-3/8" the few Bone Springs Zone, set at 9279. (Model B Production packer set at 13062). Stumbled & returned Bone Springs Production to production. Opened & flowed Penn. Zone to clean up. On 12-11-62, on 5 point test, Penn Zone tested:**  
**11/64" choke, the press 3479, volume 1,181 in 12 hrs.**  
**11/64" choke, the press 3209, volume 1,680 in 3 hrs.**  
**13.4/64" choke, the press 2912, volume 2112 in 3 hrs.**  
**14.5/64" choke, the press 2794, volume 2534, in 3 hrs.**  
**10/64" choke, the press 3422, volume 1416 in 22 hrs.**  
**Gas Liquid ratio: 30,167 CF/Barrel. Absolute potential 3628 mcf/pd**  
**Penn. Gas Zone shut in - no connector.**

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **Sinclair Oil & Gas Company**Address **520 E Broadway****Hobbs, New Mexico**By **[Signature]**  
Title **Dist. Supt.**

Originatee: USGS; cc:NYD,JH,File

1990

The figure consists of two separate line graphs. The left graph plots 'Rate of reaction' on the y-axis against 'Temperature / °C' on the x-axis. The x-axis has markings at 10, 20, 30, and 40. The curve starts at a low rate at 10°C, rises to a peak at 30°C, and then begins to decline at 40°C. The right graph also plots 'Rate of reaction' on the y-axis against 'Temperature / °C' on the x-axis. The x-axis has markings at 10, 20, 30, and 40. This curve starts at a low rate at 10°C and shows a steep, exponential increase as the temperature rises to 40°C.

Condition	10-12 years	13-15 years	16-18 years	19-21 years	22-24 years
1	85	75	65	60	55
2	90	80	70	65	60
3	95	85	75	70	65
4	100	90	80	75	70
5	100	95	85	80	75

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