

STATE OF NEW MEXICO
OIL CONSERVATION
COMMISSION
DISTRICT NO. 3
Phone 99 P. O. Box 697
AZTEC, NEW MEXICO

(SUBMIT IN TRIPPLICATE)
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Santa Fe
Lease No. 728422
Unit Surfane 2-4
Doc. No. 711

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	<input checked="" type="checkbox"/>
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 REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOT 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)

Farmington, New Mexico, November 23, 1951

Well No. 6 is located SW ft. from S line and SW ft. from E line of sec. 21.

<u>SW 1/4 of section 21</u> (4 Sec. and Sec. No.)	<u>1-27-4</u> (Twp.)	<u>5-10-4</u> (Range)	<u>W.M.</u> (Meridian)
<u>Oilfield</u> (Field)	<u>San Juan</u> (County or Subdivision)	<u>New Mexico</u> (State or Territory)	

The elevation of the derrick floor above sea level is 6514 ft. (S. L.)

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)

Well was drilled to a total depth of 2238 feet with rotary tools. Drill tool rig moved onto location and well cleaned out to bottom.

Well was plugged back with pea gravel from 2232 feet to 2200 feet and was shot with 770 quarts of mud from 2095 feet to 2200 feet with gravel cap from 2095 feet to 2090 feet and oil-seal cap from 2090 feet to 2084 feet. Shot detonated at 1:30 P.M., on October 30, 1951. Well was cleaned out to bottom. 1 1/2" tubing was landed at 2169 feet. Well was shot in 72 hours. Shot in casing pressure was 456 psi.

Well measured 1830 BOPF per day after 3 hour blow down through 2" casing outlet with pilot tube through 2" pipe nipple November 12, 1951.

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

Company Standard Oil and Gas Company

Address Box 47

Farmington, New Mexico

By A.W. Gibson

Title Foreman

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DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	DISTRICT	3
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.....		
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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)

Farmington, New Mexico, October 12, 1951

Well No. 6 is located 500 ft. from N line and 200 ft. from E line of sec. 31

SW 1/4 of Section 31 (4 Sec. and Sec. No.) Twp. 23 N. Range 14 E. Meridian

Gilbert (Field) San Juan (County or Subdivision) New Mexico (State or Territory)

The elevation of the derrick floor above sea level is 654 ft. (G.I.)

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)

Well was spudded 9:30 A.M., October 12, 1951.

On October 13, 1951, 10-3/4" casing was landed at 116 feet with 85 sacks cement. Cement circulated to surface. Plug down at 10:23 A.M., October 13, 1951. At 10:30 A.M., October 14, 1951, casing and water shut off were tested with 1000# pressure for 30 minutes. No drop in pressure. Forty-four feet of solid cement was drilled in bottom of pipe and water shut off tested with 300# for 30 minutes. No drop in pressure during this test. Drilling operations were resumed.

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

Company Standard Oil and Gas Company

Address Box 487

Farmington, New Mexico

By E.O. Young

Title Production Manager

(STATISTICS IN SUMMARY)

CONSERVATION CONFERENCE

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
UNITED STATES

SUNDAY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO ABANDON MELT	SUPPLEMENTARY MELT HISTORY	NOTICE OF INTENTION TO ABANDON MELT
NOTICE OF INTENTION TO ABANDON MELT	SUPERSEDED REPORT OF ABANDONMENT	NOTICE OF INTENTION TO RE-DRILL OR REPAIR
NOTICE OF INTENTION TO RE-DRILL OR REPAIR	SUPERSEDED REPORT OF REDRILLING OR REPAIR	NOTICE OF INTENTION TO TEST MELT-OFF
NOTICE OF INTENTION TO TEST MELT-OFF	SUPERSEDED REPORT OF ALTERING CASING	NOTICE OF INTENTION TO CHANGE PLANS
NOTICE OF INTENTION TO CHANGE PLANS	SUPERSEDED REPORT OF SHOOTING OR ACCIDEN	NOTICE OF INTENTION TO DRILL

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

(left) (right) (center) (bottom)

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The elevation of the glacial moraine level is

DETAILS OF WORK

• **Exercise:** (d) Given below find the value of $\sin \theta$ if $\cos \theta = \frac{1}{2}$. (Also write values of other trigonometric ratios based on the value of $\cos \theta$.)
Draw a right-angled triangle ABC with $\angle C = 90^\circ$ and $\cos A = \frac{1}{2}$.

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