Form 9-881 a

(SUBMIT IN TRIPLICATE)

Land Office LAS CITAGOS Lesse No. 057210 Unit

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL GAS TELFUT WELL	SUBSEQUENT REPORT OF WATER SHUT-OFF
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	
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 N	ATURE OF REPORT, NOTICE, OR OTHER DATA)
ISH "E" LEASE	Tulsa, Oklahema, November 18 , 19 46
Input	(A.1)
Well No. 30 is located 3600 ft. from	$\left \begin{array}{c} N \\ N \end{array} \right $ line and
\$W/4 HW/4 See 27 178 (% Sec. and Sec. No.) (Twp.)	SEE N.M.P.M. (Range) (Moridian)
Maljamar Loa	New Mexico
(Field) (County or	Subdivision) (State or Territory)
(H Sec. and Sec. No.) (Twp.) (Range) (Meridian) Loa Sew Mexico	
State names of and expected depths to objective sands; show sizes, ing points, and all oth	, weights, and lengths of proposed casings; indicate mudding jobs, cement er important proposed work)
We propose to drill this location to	an approximate total depth of 4225'. We
also plan on comenting 7" G.D. 28# ca	sing 50' abere the top of the 6th some.
Well to be drilled by Marshall & Smit	h, Artesia, New Mexico. See attached plat
prepared by Registered Professional E	ngineer and Land Surveyor.
I understand that this plan of work must receive approval in w	riting by the Geological Survey before operations may be commenced.
Company Kowanee Oil Company	
	1/BIF
Tulsa 1, Oklahoma	By J. J. Wille
	Title Superintendent

Company		Kewa	mes Of	1 (joini) NAY		
Lease	Ε	aist	"B"			w	ell No	IP #30
Sec	27	_ T	17	_s.,	R	32	E.,	N.M.P.M.
Location	40'	N &	25' E	of	BW	Cor.	of l	THE
County _	Les				••		Ne	w Mexico
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Scale 4"	= 1 mil	e						
			the above	plat	was 1	orepared	from 1	ield notes
of actual	survey	s made	by me or	unde	er my	supervis	sion an	d that the and belief.
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Seal:	N			Re Engin	gister ieer a	red Profe and Land	essional Surve	yor.
Artesia,	New M				1.			
Surveye	d	Jul	y 12.		194	· O		

14286-14307 Advocate Print

EXHIBIT "B"

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

P. O. Box 997
Roswell, New Mexico
October 22, 1947

Kewanee Oil Company 1004-14 Kemnedy Building Tulsa 1, Oklahoma

Gentlemen:

Receipt is acknowledged of your application executed October 9, 1947, for an amendment and exception to "Amended Application for Approval of Plan for Drilling and Reconditioning of Injection Wells", approved July 10, 1946, Maljamar Cooperative Repressuring Area, Lea County, New Mexico.

The application states that Kewanee Oil Company's original Baish "B" well No. 9 located in the C SWaNWa sec. 27, T. 17 S., R. 32 E., was completed for production on May 1, 1940, at a total depth of 4,036 feet with an initial production of 125 barrels of oil per day and that on April 17, 1942, it was converted into a gas input well. From that date until October 4, 1946, 292,549,000 cubic feet of gas has been injected into this well. Injection was discontinued on the above referred date to permit the laying of a new gas injection system and the enlargement of the pressure maintenance plants connected with the injection project. It is further stated that well Baish "B" No. 9 has demonstrated by performance the fact that it has been and is an exceptionally good gas injection well.

It is also stated that, on November 19, 1946, in accordance with the plan for drilling and reconditioning injection wells, Kewanee Oil Company commenced its Baish "B" 30 well, located in the southwest corner of the SWANNA of said section 17 which well was drilled for the purpose of using same as an input well. Approval of the drilling of this well was granted on July 10, 1946, with the understanding that injection wells drilled will be used for injection purposes only and not produced for oil or gas. This well was completed on January 30, 1947, at a depth of 4,088 feet and swabbed 140 berrels of oil per day on test without shooting. In drilling this well it was noted that there was a well developed sixth zone but little or no saturation was encountered in the lower san Andres section. The seventh zone covered scattered porosity and saturation and the eighth zone was entirely barren. As the San Andres pay sections were absent in this well you consider that maximum benefit to the ges injection program could not be obtained in utilizing this well for gas input service in preference to Baish "B" 9, which well by performance has demonstrated its value for use for input service.

It is further stated that under the gas injection program and agreement provision is made that on a 40-acre subdivision where there is located an injection well the operator is entitled to a compensatory producer. You therefore request that you be permitted to convert well Baish "B" 30 into a producer and in case this office considers favorably the application you will petition the Conservation Commission of the State of New Mexico for approval of the resulting unorthodox well location pursuant to the rules and regulations of that body.

On the basis of the facts set forth in the subject application, which are deemed to be substantially correct, it is believed that well No. "B" 30 would be of greater value as a producing well than if it were used as a gas injection well and that it would increase the ultimate recovery from the leasehold. Producing this well will not create any inequities from drainage from other leases as the surrounding lands are held by your company. Accordingly, your application of October 9, 1947, is approved and considered an acceptable amendment to the plan for drilling and reconditioning injection wells, approved July 10, 1946, provided that the production from well Baish "B" 30 shall conform with the general and any special proration orders of the New Mexico Oil Conservation Commission. One conditionally approved copy of the application is returned horewith.

If the Oil Conservation Commission approves your petition you are requested to file a notice to produce this well on our form 9-331(a) for approval by the District Engineer before producing operations are commenced.

In the last paragraph of the application of October 9 you request that you be allowed to reverse the number of I.P. Baish "B" No. 30 and Baish "B" No. 9, and designate the present "B" 30 input as Baish "B" 9, and Baish "B" 9 I.P. as Baish "B" 30 I.P. It is believed that such a change would create unnecessary work and confusion in the many offices maintaining records of this producing area and would be of no particular benefit. Accordingly, the request to change well numbers or designations is denied.

For convenience and reference it is requested that the use of the letters "I.P." be discontinued from well Baish "B" 30 when it is converted into an oil well and that this designation be continued on well Baish "B" 9 as long as it is in use as an injection well.

Very truly yours,

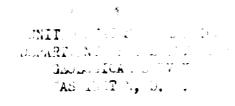
FOSTER MOPRELL

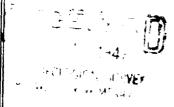
Supervisor, Oil and Cas Operations.

cc: Kewance Oil Company

EWAMEE OIL COMPANY

THE SAL CHE MUMMA





Re: Application for an Amendment and Exception to "Amended Application for Approval of Plan for Drilling and Reconditioning of Injection Wells"

To the Supervisor of United States Geological Survey, Washington, D. C.

Comes now, Kewanee Oil Company, a member of the Maljamar Cooperative Repressuring Agreement and Supplemental thereto, joined by the Operators' Committee, acting under and pursuant to the Maljamar Cooperative Repressuring Agreement and Supplemental thereto, heretofore approved by the Honorable Secretary of Interior and assigned Contract No. I—Sec. No. 341, and files herewith its application for the modification and amendment of its "Amended Application for Approval of Plan for Drilling and Reconditioning Injection Wells" filed and approved July 10, 1946, by the Supervisor, Oil and Gas Operations, United States Department of Interior, Geological Survey, a copy of which is attached hereto for convenient reference as "Exhibit A".

Applicants herein respectfully request that paragraph 3 of the aforesaid approved plan for drilling and reconditioning injection wells, "Exhibit A" be amended and modified to permit Kewanee Oil Company to convert its input well Baish "B" No. 30 to a producer for the production of oil and gas.

Applicants, for reason and in justification of its application for the modification and amendment, as aforesaid, states and respectfully shows:

(1) That Kewanse Oil Company's original Baish "B" well #9, located 1980 feet from the north line and 660 feet from the west line (C SW\(^1\) N\(^1\)) of Section 27, Township 17 South, Range 32 East, Lea County, New Mexico, (Las Cruces Lease 057210) was completed for production on May 1, 1940, at a total depth of 4036' with an initial production of 125 barrels per day. That the completion of this well reflected a well developed 6th zone from 3836 to 3839 feet. Additional pay horizons were encountered in the lower San andressection. The 7th zone carried good porosity and saturation from 3894 to 3954 feet and the 3th zone was well developed from 3930 to 4036 feet. The wells immediately offsetting Baish B #9 are also producing from both the Grayburg and San Andres sections. That situation was the reason that Baish "B" #9 was selected as a gas injection well by the Maljamar Cooperative Repressuring Agreement.

On April 17, 1942, Baish "B" #9 was converted into a gas input

well and from that date intil October 1, 1000, 292,549,000 cubic feet of gas has been injected into this well. Injection was discontinued on the above referred to date to permit the laying of a new gas injection system and the enlargement and revenuing of the pressure maintenance plant connected with the injection project.

(2) The aforesaid well, Baish B No. 9, now designated Baish "B" No. 9 I.P. well, has demonstrated by performance the fact that it has been and is an exceptionally good gas injection well, as the benefits derived therefrom are best reflected in the following figures, towit:

From September, 1942 to January, 1947, the four producing wells immediately offsetting this gas injection well, namely Baish B #6, Baish B #4, Baish B #19 and Baish B #22, have produced 219,034 barrels of oil. During the same period bottom hole pressure on these same four wells only declined from an average of 1100 barrels per square inch to 1019 barrels per square inch, or an average well decline of 81 barrels. This decline represents .37 barrels pressure decline per 1000 barrels of oil produced. As of January 1, 1947, the gas-oil ratios on these same four wells averaged only 712 cubic feet per barrel.

From these figures it appears that exceptional results have been obtained from Baish B #9 as an input well, and that therefore its continuation as such is most definitely desired in order to assure maximum recovery.

(3) In November, 1946, in accordance with the "Plan for brilling and Reconditioning of Injection Wells" heretofore referred and approved by the United States Geological Survey, Kewanee Oil Company commenced its Baish B #30, located 2600 feet from the north line and 25 feet from the west line (SW corner Sty NYE) of Section 27-17S-32E, Lea County, New Mexico, (Lease Las Cruces 057210), which well was drilled for the purpose of using same as an input well. That this well was completed on January 30, 1947, at a total depth of 4008 feet and swabbed 140 barrels of oil per day on test without shooting. That in drilling this well there was drilled a well developed 6th zone, but little or no saturation was encountered in the lower San Andres section. The 7th zone carried scattered porosity and saturation, and the 8th zone was entirely barren. This well, completed at 4088 feet, was some 50 or 60 feet above the water table, as found in this particular area. Therefore, as the San Andres pay sections were absent in this well, applicant considers, from the result and information from the drilling of said well, that maximum benefit to the gas injection program could not be obtained in utilizing this well for gas input service in

preference to Baish *B" #9, which well by performance has demonstrated its value as to its use for input service.

- (4) Applicant further states that under the gas injection program and agreement it is provided that on the 40-acre subdivision where there is located an injection well, the operator is entitled to a compensating producer.
- (5) Applicant further states that should the United States Department of the Interior, Geological Survey favorably consider this application, it will then petition the Conservation Commission of the State of New Mexico for approval of the resulting unorthodox well location, pursuant to all rules and regulations of that body.
- (6) Applicant submits herewith the statement of Kewanee Oil Company in triplicate to the effect that Kewanee Dil Company agrees, in the event it is permitted to convert Baish "B" #30 to a producer, not to subdivide by assignment or otherwise the SW4 NW4; NW4 SW4 Section 27; SE4 NE4; NE4 SE4 Section 28, Township 17 South, Range 32 East, unless and until well Baish "B" #30 is properly plugged and abandoned, and the abandonment is approved under the operating regulations.

WHEREFORE, the undersigned applicants respectfully request that this application be approved in order to permit Kewanee Oil Company to convert its Baish "B" well #30 into a producer for the recovery of oil and gas. Kewanee Oil Company further requests that if this application is favorably considered, that it be permitted to reverse the number of I.P. Baish "B" #30 and Baish "B" #9, and designate the present B #30 input as Baish "P" , 9, and Baish "B" #9 I.P. as Baish "B" #30 I.P.

Dated this 9th day of October, 1947.

Approved as an acceptable amendment to KEWANEE OIL COMPANY the Plan for Drilling and Reconditioning of Injection cells, approved July 10, 1946, for the Laljamar Cooperative Repressuring area except >s to request for reversing the numbers of wells maish "B" 30 and "B" 39, which request is hereby denied.

OPERATORS' COMMITTEE, ACTING UNDER AND PURSUANT TO MALJAMAR COOPERATIVE REPRESSURING AGREEMENT

October 22, 1947.

By Willy Co. LL L

Emery Carper, Chairman

UNITED STATES OF AMERICA DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY MASHINGTON, D. C.

Re: Raljamar Cooperative
Retreasurin, Auresment
1-1ec. No. 241

WINDER APPLICATION FOR METAUVAL OF FLAN FOR DITTOR OF THE DITTOR DI

To The Supervisor of United States Geological Survey washington, D. C.

Agreement and Supplement thereto, heretofore approved by the Honorable Secretary of the Interior, and assigned contract No. I-Sec. No. 341, and files its Amended Application for Approval of Plan for the Drilling and Reconditioning of Injection wells, and respectfully shows:

hold interests subject to the Laljamar Cooperative Retressuring Agreement and Supplement thereto hereinabove
referred to, have agreed among themselves and with each
other to a program for the drilling and reconditioning
of injection wells within the boundaries of the cooperative area upon the lands committed thereto, to be carried
out in two 12 month periods, subject, however, to approvcal of the program and to the location of the injection
wells by the Local supervisor of the United States weblocated survey.

2. That there is attached hereto, made a part hereof, and for purposes of identification marked Exhibit "A", a plat of the cooperative area snowing the location of the present wells being used as injection wells, and the injection wells which are proposed to be drilled and the respective locations thereof.

That there is attached hereto, made a part hereof, and for purposes of identification morked whibit "B",
a schedule showing the injection well reconditioning and
drilling program over the next two year period, which
wells are numbered from 1 to 37, both inclusive, and which
said numbers correspond with the numbers by which said injection wells are designated on the plat attached hereto
as Exhibit "A".

during the first twelve month period and upon their completion that 9 of the 13 present injection wells be converted into producers. This would give sufficient wells taking gas to conserve a large volume now being wasted.

Fourteen additional injection wells would be drilled during the second twelve month period, which would complete the field pattern. The wells to be drilled or reconditioned during the first twelve month period are numbered from 1 to 2% inclusive, and the relie to be drilled during the second twelve month period are numbered from 24 to 37, inclusive, on the plat. Except for the present injection wells which are to be reconditioned, which wells are Soc. 1, 2, 3 and 25, as shown on the plat, the new injection wells would be located in each instance, not closer than

25 feet to any property line, as for example, well No. 4 would be located 30 feet South of the center of Section 19. These locations are as close to the geometric center of the four adjacent producing wells as practical, such wells still not being closer than 25 feet to a property line.

5. That the drilling end reconditioning program as outlined generally herein is to be carried out under the supervision of the Oper tors' Committee established under and acting pursuant to said Maljamar Cooperative Repressuring Agreement and supplement thereto, and the Operators: Committee is to prescribe the completion procedure, tests to be made and equipment to be used in connection with each injection well which is drilled so that all of said wells will be uniformly drilled, tested, and equipped so as to be used in the most efficient manner possible in furthering the objects and purposes of the Maljamar Cooperative Repressuring Agreement and Supplement thereto. It is to be understood and agreed by all of the leasehold owners upon which said wells are drilled that the same when drilled shall not be used for any purpose except as injection wells in connection with said pressure maintenance operations and are not to be regarded as wells drilled for production rurposes or to be used for the production of oil and gas.

respectfully requests that the weneral plan for drilling and reconditioning of injection walls under and purcount to the valjamer Geomer tive Repressuring Agreement on the thereto as outlined herein, be approved.

Dated this 9 and day of July . 1948.

OF R TURS! OC IPTID, ACTING UNDER AND FURSUANT TO THE JAMES FOLD ROLL ROLL RUSURING AGRICUMENT

ex (signed timeny Corper

Approved as a generalized plan for conditioning of present injection wells and drilling of new injection wells within the Maljamar Cooperative Repressuring Agreement with the exception of well No. 6 to be drilled in the SE corner, SE/4 NE/4 Sec. 22, T. 178., R. 32 E. offsetting the NW/4 SW/4 Sec. 23 not committed to the agreement. An opinion from the Department is necessary before drilling of this well is approved as it involves payments by a party not committed to the agreement.

It is also to be understood that injection wells drilled will be used for injection purposes only and not produced for oil or gas and that an intention to drill will be submitted for each well showing drilling and casing program and approval obtained before drilling is started.

Approval is with the further understanding that each lesses will be regarded as solely responsible for the proper shandonment of any well drilled on his lesse.

Supervisor, CII and Cas operations.

Roswell, New Yexico

DATE

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