

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator Name and Address ARCH PETROLEUM INC. 10 DESTA DRIVE, STE. 420E, MIDLAND TX 79705		² OGRID Number 000962
		³ Reason for Filing Code NW - MAY, 1997
⁴ API Number 30 - 025-33882	⁵ Pool Name LANGLIE MATTIX	⁶ Pool Code 37240
⁷ Property Code 014899	⁸ Property Name C. D. WOOLWORTH	⁹ Well Number 11

II. ¹⁰ Surface Location

UI or Lot. No. N	Section 30	Township 24S	Range 37E	Lot Idn.	Feet from the 1185	North/South Line SOUTH	Feet from the 1330	East/West Line WEST	County LEA
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¹¹ Bottom Hole Location

UI or Lot. No.	Section	Township	Range	Lot Idn.	Feet from the	North/South Line	Feet from the	East/West Line	County
¹² Lse Code P	¹³ Producing Code P	Method	9/27/95	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date			

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ POD	²¹ O/G	²² POD ULSTR Location and Description
015694	NAVAJO REFINING CO. PL DIVISION DR. 159, ARTESIA, NM 88210	712110	O	
020809	SID RICHARDSON CARBON 201 MAIN ST., STE. 2300 FORT WORTH TX 76102	712130	G	

IV. Produced Water

²³ POD 712150	²⁴ POD ULSTR Location and Description
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V. Well Completion Data

²⁵ Spud Date 4/14/97	²⁶ Ready Date 5/8/97	²⁷ TD 3760'	²⁸ PBSD 3735'	²⁹ Perforations 3484'-3608'
³⁰ Hole Size 11"	³¹ Casing & Tubing Size 8-5/8"	³² Depth Set 479'	³³ Sacks Cement 260 sxs. Cl 'C'.w/2% CaCl2 & 1/4# flocele/sx. circ. 125 sxs to surface	
7-7/8"	4-1/2"	3760'	950 sxs. Lead Cl'C' w/6% gel,5% salt,300 sxs Tail 50/50 Proz. Cl'C' w/2% gel, 5% salt & 4/10 of 1% FL-62.	

VI. Well Test Data

³⁴ Date New Oil 5/8/97	³⁵ Gas Delivery Date 5/8/97	³⁶ Test Date 5/22/97	³⁷ Test Length 24 HRS.	³⁸ Tbg. Pressure 345	³⁹ Csg. Pressure 45
⁴⁰ Choke Size 30	⁴¹ Oil	⁴² Water 20	⁴³ Gas 58	⁴⁴ AOF	⁴⁵ Test Method P
⁴⁶ I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Bobbie Brooks</i> Printed Name: BOBBIE BROOKS Title: PRODUCTION ANALYST Date: 5/23/97			OIL CONSERVATION DIVISION Approved by: ORIGINAL SIGNED BY CHRIS WILLIAMS DISTRICT I SUPERVISOR Title: Approved Date: JUL 30 1997		
Phone: 915-685-1961					

⁴⁷ If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date

IF THIS IS AN AMENDED REPORT, CHECK THE BOX	Ad	22.	The ULSTR location of this POD if it is different from the well completion location and a short description of the POD
(Example: "Battery A", "Jones CPD", etc.)			
Report all gas volumes at 15.025 PSIA at 60".		23.	The POD number of the storage from which water is moved from this property. If this is a new well or recompletion and this POD has no number the district office will assign a number and write it here.
All sections of this form must be filled out for allowable requests on new and re-completed wells.		24.	The ULSTR location of this POD is it is different from the well completion location and a short description of the POD (Example: "Battery A Water Tank", "Jones CPD Water Tank", etc.)
A separate C-104 must be filed for each pool in a multiple completion.		25.	MO/DAYR drilling commenced.
A request for allowable for a newly drilled or deepened well must be accompanied by a tabulation of the deviation tests conducted in accordance with Rule 111.		26.	MO/DAYR this completion was ready to produce.
Improperly filled out or incomplete forms may be returned to operators unapproved.		27.	Total vertical depth of the well.
Operator's OGRID number. If you do not have one it will be assigned and filled in by the District office.		28.	Plugback vertical depth.
Reason for filling code from the following table:		29.	Top and bottom perforation in this completion or casing shoe and TD if openhole.
		30.	Inside diameter of the well bore.
		31.	Outside diameter of the casing and tubing.
		32.	Depth of casing and tubing. If a casing liner show top and bottom.
		33.	Number of sacks of cement used per casing string.
		34.	The following test data is for an oil well it must be from a test conducted only after the total volume of load oil is recovered.
		35.	MO/DAYR that new oil was first produced.
		36.	MO/DAYR that the following test was completed.
		37.	Length in hours of the test.
		38.	Flowing tubing pressure - oil wells,
		39.	Shut-in tubing pressure - gas wells
		40.	Flowing casing pressure - oil wells,
		41.	Shut-in casing pressure - gas wells
		42.	Diameter of the choke used in the test.
		43.	Barrels of oil produced during the test.
		44.	Barrels of water produced during the test.
		45.	MCF of gas produced during the test.
		46.	(Gas well calculated absolute open flow in MCF/D.
		47.	The method used to test the well:
			F Flowing
			P Pumping
			S Swabbing
			If other method please write it in.
			The signature, printed name and title of the person authorized to make this report, the date this report was signed, and the telephone number to call for questions about this report.
			The previous operator's name, the signature, printed name, and title of the previous operators representative authorized to verify that the previous operator no longer operates this completion, and the date this report was signed by that person.
			MO/DAYR that this completion was first connected to a gas transporter.
			The permit number from the District approved C-129 for this completion.
			MO/DAYR of the C-129 approval for this completion.
			MO/DAYR of the expiration of C-129 approval for this completion.
			The gas or oil transporter's OGRID number.
			Name and address of the transporter of the product.
			The number assigned to the POD from which this product will be transported by this transporter. If this is a new well or recompletion and this POD has no number the district office will assign a number and write it here.
			Product code from the following table:
			O Oil
			G Gas